

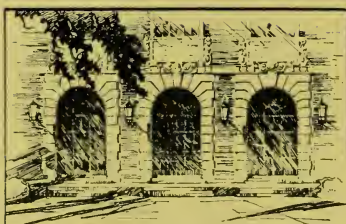
352.0743

B92

v. 34

City of Burlington  
to  
City of St. Louis

1898



LIBRARY  
OF THE  
UNIVERSITY  
OF ILLINOIS

352.0743

B92

v. 34









Digitized by the Internet Archive  
in 2014



THIRTY-FOURTH



ANNUAL REPORT

OF THE

CITY OF BURLINGTON, VT.



FOR THE

Year Ending December 31, 1898.

1027217 Withdrawn 1942

BURLINGTON:

PRENTISS C. DODGE, PRINTER.

1899.

# RESOLUTION.

---

Resolution relating to the publication of the Thirty-fourth Annual City Report, offered by Alderman Edgcumbe in the Board of Aldermen, at a meeting held on the 27th day of January, 1899, and adopted, in the words following :

## CITY OF BURLINGTON.

In the year one thousand eight hundred and ninety-nine.  
*Resolved*, by the City Council of the City of Burlington, as follows :

That the City Clerk is hereby directed to prepare for publication the Annual Reports of the City officers, and such other matter as is usually published in the City Reports, and, under the direction of the Mayor, to procure printed 1,300 copies thereof for taxpayers and general distribution, and that said copies be printed, ready for such distribution, at least two weeks before the annual City election.

Approved January 28th, 1899.

E. M. SUTTON, *Mayor*.

352.0743

B92

V. 34

Ref 352

LIBRARY  
UNIVERSITY OF  
ILLINOIS



GOVERNMENT AND OFFICERS

Withdrawn 1942

OF THE

CITY OF BURLINGTON,

FOR 1898.

---

*Mayor*—HIS HONOR, ELLIOT M. SUTTON.

Office, No. 3 City Hall, Residence, 375 St. Paul Street.

---

BOARD OF ALDERMEN.

*President,*

OWEN R. MASON.

*First Ward*—OWEN R. MASON. Term expires April, 1900.

Residence, 439 College Street.

WM. J. EDGCUMBE. Term expires April, 1899.

Residence, 411 Colchester Avenue.

*Second Ward*—H. J. GUTCHELL. Term expires April, 1900.

Residence, 35 School Street.

GEO. G. MUNSON. Term expires April, 1899.

Residence, 27 Bright Street.

*Third Ward*—JOHN R. KELLEY. Term expires April, 1900.

Residence, 124 North Battery Street.

JOHN J. SHEA. Term expires April, 1899.

Residence, 60 North Champlain Street.

*Fourth Ward*—ELBRIDGE S. ADSIT. Term expires April, 1900.

Residence, 337 Pearl Street.

CALVIN S. ISHAM. Term expires April, 1899.

Residence, 45 South Willard Street.

*Fifth Ward*—JOHN W. HAYES. Term expires April, 1900.

Residence, 151 South Champlain Street.

JOHN W. JOHNSON. Term expires April, 1899.

Residence, 95 Maple Street.

Clerk, *ex-officio*, CHARLES E. ALLEN.

Regular meeting of the Board, first Monday in each month, at No. 2 City Hall.

---

## STANDING COMMITTEES

OF THE

# BOARD OF ALDERMEN.

---

<i>On Water Department,</i>	Aldermen Kelley, Munson, Edgcumbe.
<i>On Fire Department,</i>	Aldermen Munson, Adsit, Isham.
<i>On Street Department,</i>	Aldermen Adsit, Kelley, Hayes.
<i>On Accounts and Claims,</i>	Aldermen Gutchell, Isham, Johnson.
<i>On Pauper Department,</i>	Aldermen, Hayes, Isham, Shea.
<i>On Public Buildings and Parks,</i>	Aldermen Isham, Gutchell, Shea.
<i>On Printing and Publication,</i>	Aldermen Edgcumbe, Hayes, Munson.
<i>On School and Library Affairs,</i>	Aldermen Kelley, Adsit, Johnson.
<i>On Health,</i>	Aldermen Johnson, Shea, Adsit.
<i>On Liquor Agency,</i>	Aldermen Mason, Edgcumbe, Gutchell
<i>On Railroads,</i>	Aldermen Gutchell, Edgcumbe, Johnson.
<i>On Licenses,</i>	Aldermen Shea, Munson, Kelley.

## CITY OFFICERS.

---

*City Clerk*—CHARLES E. ALLEN.

Office, No. 2 City Hall. Residence, 142 University Place.

*Assistant Clerk*—GILBERT A. DOW.

Residence, 226 Pearl Street.

*City Treasurer*—LOWELL C. GRANT.

Office, No. 4 City Hall. Residence, Van Ness House.

*City Attorney*—D. J. FOSTER.

Office, 196 Main Street. Residence, 72 Buell Street.

*City Constable*—HOYT E. SALLS.

Office, 158 Main Street. Residence, 169 Maple Street.

*Health Officer*—HENRY A. CRANDALL, M. D.

Office, 152 Cherry Street. Residence, 154 Cherry Street.

*Engineer and Surveyor*—H. M. MCINTOSH, C. E.

Office, City Market Building. Residence, 81 N. Willard St.

*Grand Juror*—CLARENCE J. FERGUSON.

Office, 184 College Street. Residence, 301 Shelburne Street.

*Overseer of Poor*—DANIEL C. BARBER.

Office, 156 Main Street. Residence, 189 Church Street.

*Trustee U. S. Deposit Fund*—LOWELL C. GRANT.

Office, No. 4 City Hall. Residence, Van Ness House.

*Fence Viewers*—

CLEOPHAS LAPRESE, Residence, 175 Shelburne Street.

O. DE VARENNES, Residence, 82 North Street.

*Sealer of Weights and Measures*—

A. B. KINGSLAND, Office, 191 College Street.



---

*City Weighers and Wood Measurers—*

FRANK A. LUCK, Office, Queen City Cotton Co.

GEORGE W. BECKWITH, Office, City Market Building.

*City Liquor Agent—*ETHELBERT SELDEN.

Office, No. 20 City Hall. Residence, 24 Orchard Terrace.

*City Physician—*JOSEPH E. LAROCQUE, M. D.

Office, 85 Elmwood Ave.

*Auditors—*

GEORGE W. BECKWITH, Residence, 236 Main Street.

JOHN C. FARRAR, Residence, 45 No. Winooski Ave.

THOMAS FAILEY, Residence, 56 George Street.

*Janitor of City Hall—*L. C. GRANT.

Office, No. 4 City Hall.

*Pound Keeper—*DAVID PLOOF.

Residence, 46 Ward Street.

---

## STREET DEPARTMENT.

### BOARD OF STREET COMMISSIONERS.

FRANK S. LANOU. Term expires 1901.

Office, 166 North Street.

N. KING BROWN, Chairman. Term expires 1900.

Office, 115 St. Paul Street.

JAMES B. HENDERSON. Term expires 1899.

Office, 154 College Street.

### SUPERINTENDENT OF STREETS.

HERALD STEVENS.

Office, City Market Building.

Residence, 111 North Winooski Avenue.

### ADVISORY BOARD.

E. M. SUTTON, *ex-officio*.

CHARLES P. SMITH,

W. J. VAN PATTEN.

---

## FIRE DEPARTMENT.

Office, Station No. 1, Church Street.

*Chief Engineer*—MOSES MURRAY.

Residence, 38 Hickok Place.

*First Assistant*—JOSEPH H. CARLIN.

Residence, 60 Elm Street.

*Second Assistant*—GEORGE W. BURT.

Residence, 189 So. Union Street.

### PERMANENT FIREMEN.

*Station No. 1*—Captain, William J. Brown; drivers, Douglas Archibald, Joseph Baker; pipemen, James M. Cosgrove, W. H. Malaney; electrician, Henry M. Riley; engineer, Fred F. Miller.

*Station No. 2*—Captain, Michael Lynch; driver, Edward Lynch; pipeman, C. A. Niles.

*Station No. 3*—Captain, W. F. Wills; driver, D. W. Ingalls; pipeman, Henry L. Bouchard.

*Hook and Ladder Co.*—Captain, Ernest R. Brew.

### BOARD OF FIRE WARDENS.

*First Ward*—W. C. WELLER.

Residence, 112 Colchester Ave.

*Second Ward*—JOHN ROBY, Chairman.

Residence, 103 No. Union Street.

*Third Ward*—PHILIP RITCHIE.

Residence, 129 No. Champlain Street.

*Fourth Ward*—WM. H. COLLISON.

Residence, 82 Church Street.

*Fifth Ward*—JAMES TRUMAN.

Residence, 500 St. Paul Street.

---

BUILDING INSPECTORS.

Z. T. AUSTIN, Chairman and Clerk. Term expires 1901.

Residence, 244 College Street.

GEORGE B. RAND. Term expires 1900.

Residence, 62 No. Champlain Street.

GEORGE D. WRIGHT. Term expires 1899.

Residence, 38 No. Winooski Ave.

---

## ASSESSORS.

Office, No. 7 City Hall.

EDWARD F. BROWNELL. Term expires 1901.

Residence, Park Avenue.

ALEXANDER H. PARKER. Term expires 1900.

Residence, 38 Battery Place.

FRED JOHONNOTT, Chairman. Term expires 1899.

Residence, 236 So. Union Street.

---

## WATER COMMISSIONERS.

ALVARO ADSIT. Term expires 1901.

Office, 207 College Street.

J. ERNEST LANOU, Chairman. Term expires 1900.

Office, 166 North Street.

JOHN J. FLYNN. Term expires 1899.

Office, Y. M. C. A. Building.

---

SUPERINTENDENT OF WATER WORKS.

FRANK H. CRANDALL.

Office, No. 5 City Hall. Residence, 67 Elmwood Avenue.

**CEMETERY COMMISSIONERS.**

WM. J. VAN PATTEN. Term expires 1901.

Residence, 386 Pearl Street.

HIRAM HANSCOM. Term expires 1900.

Residence, 317 North Street.

JOEL H. HOLTON, Chairman. Term expires 1899.

Office, 184 Bank Street.

---

**SEXTONS.****ELMWOOD CEMETERY.**

HIRAM HANSCOM,

317 North Street.

**LAKE VIEW AND GREEN MOUNT CEMETERIES.**

MATTHEW COLLINS,

North Avenue, at Cemetery.

---

**CITY COURT.**

Judge, JULIUS W. RUSSELL.

Court Room, 9 City Hall.

Office, 173 Main Street.

Clerk, E. W. J. HAWKINS.

Office, 8 City Hall.

Residence, 120 Pine Street.

---

**CITY POLICE.****CHIEF.**

LOOMIS J. SMITH.

Office, 162 Main Street.

**REGULAR POLICEMEN.**

JOHN J. BROTHERS,

MILO C. GRATON,

EDWARD R. COON,

THOMAS H. KELLEY,

WILLIAM G. COFFEY,

JAMES MCCUEN,

PATRICK J. COSGROVE,

EDWARD P. McELLIGOTT,

FRED A. DOUGHERTY,

THOMAS H. McGETTRICK,

WILLIAM GARROW,

PATRICK J. RUSSELL.

---

**BOARD OF POLICE EXAMINERS.**

JAMES E. BURKE. Term expires 1901.

Office, 137 So. Winooski Ave.

ARTHUR G. CRANE, Chairman. Term expires 1900.

Residence, 65 Pine Street.

W. L. BURNAP. Term expires 1899.

Office, Court House.

---

**SCHOOL DEPARTMENT.****BOARD OF SCHOOL COMMISSIONERS.**

*Ward 1*—VOLNEY G. BARBOUR. Term expires April, 1900.

Residence, 90 North Prospect Street.

*Ward 2*—D. C. HAWLEY, M. D. Term expires April, 1899.

Residence, 204 Pearl Street.

*Ward 3*—JOSEPH I. FUGERE. Term expires April, 1900.

Residence, 7 North Avenue.

*Ward 4*—CHARLES C. MILLER. Term expires April, 1899.

Office, 125 College Street.

*Ward 5*—BUEL J. DERBY. Term expires April, 1899.

Office, 170 College Street.

**CLERK OF BOARD.**

D. C. HAWLEY, M. D., Office, 204 Pearl Street.

Regular meetings first Friday of each month, at 7.30 P. M.,  
at the office of the Superintendent of Schools.

**SUPERINTENDENT OF SCHOOLS.**

HENRY O. WHEELER. Residence, 335 South Union Street.

Office in Fletcher Library Building, Church Street.

**TRUANT OFFICERS.**

OLIVER LAMORA, O. W. POLAND.

162 Main Street.

### TERMS OF OFFICE.

The term of office of the Mayor and Aldermen commences the first Monday in April; of the School Commissioners, the first day of April.

*Street, Water and Cemetery Commissioners*—One elected in April each year for a term of three years, from April 25th next following his appointment, and until his successor shall be appointed and qualified.

*City Assessors*—One elected in March each year, for a term of three years from April 1st following his election, and until his successor is appointed and qualified.

*Police Examiners*—One appointed between the first and second Mondays in April each year, for a term of three years from the 25th day of the same April, and until his successor is appointed and qualified.

All others of the foregoing named officers, one year from April 25th, 1898, except the Superintendent of Water Works, who is annually appointed on the first Monday after April 25th, to serve one year or until his successor shall be appointed and qualified; and the Superintendent of Streets, who is appointed annually on the first Monday in May, to serve one year, or until his successor shall be appointed and qualified.

---

### FLETCHER FREE LIBRARY.

#### TRUSTEES.

HIS HONOR, THE MAYOR, *ex-officio*.

MATTHEW H. BUCKHAM, President.

Residence, 24 University Place.

EDWARD J. PHELPS.

Residence, 251 S. Willard Street.

---

SAMUEL HUNTINGTON,      Residence, 77 No. Winooski Ave.  
J. ISHAM BLISS,              Residence, 108 Bank Street.  
Secretary of the Board, Rev. J. I. Bliss, D. D.

## TRUSTEES OF THE FLETCHER FUND.

T. E. WALES,              EDWARD WELLS,              JOEL H. GATES.

## LIBRARIAN.

Miss SARAH C. HAGAR.      Residence, 323 College Street.

## ASSISTANT LIBRARIAN.

Miss LIZZIE R. MOORE.      Residence, 152 No. Prospect Street.

## MESSENGER.

GEORGE HENDERSON.              Residence, 46 Chase Street.

## WARD OFFICERS.

---

### WARD ONE.

*Clerk*—W. C. Weller.

*Inspectors of Election*—J. H. Chambers, Frank E. Perkins,  
Philip B. Keeler.

### WARD TWO.

*Clerk*—A. H. Duhamel.

*Inspectors of Election*—Edward J. Booth, Heman Crooker,  
Max Samulson.

### WARD THREE.

*Clerk*—J. W. Courtney.

*Inspectors of Election*—W. J. Murphy, Thomas Failey,  
Richard J. Madigan.

### WARD FOUR.

*Clerk*—George C. Mayo.

*Inspectors of Election*—W. O. Baldwin, Edward B. Corley,  
Frank Brown.

### WARD FIVE.

*Clerk*—James Ryan.

*Inspectors of Election*—L. A. Drew, H. J. Johnson,  
J. E. Colbath.

---

City election first Tuesday in March.



# PARTY ORGANIZATIONS.

## CITY COMMITTEES.

### REPUBLICAN.

S. M. Flint.  
F. S. Lanou.  
John Beatty.  
Frank Brown.  
Robert Roberts.

### DEMOCRATIC.

Henry J. Dubuc.  
F. A. Dougherty.  
T. H. Kelley.  
W. H. Collison.  
J. J. Enright.

## WARD COMMITTEES.

E. H. Nash,  
G. A. Rumsey,  
C. W. Buckham.

Ward I.

J. J. McLaughlin,  
Orville Cameron,  
John Cannon.

Henry H. Lee,  
F. P. Robinson,  
L. H. Beaupre.

Ward II.

N. B. Shortsleeves,  
A. T. Childs,  
G. J. Mongeon.

D. R. Peterson,  
T. F. Ahearn,  
M. L. Sanborn.

Ward III.

J. F. Bolger,  
T. McGetterick,  
Jules Simays.

E. W. J. Hawkins,  
P. N. Morse,  
William Dunn.

Ward IV.

John H. Glynn,  
John Kelley,  
Louis Pratt.

L. J. Smith,  
J. J. Brothers,  
H. E. Salls.

Ward V.

J. J. Enright,  
J. B. Henderson,  
J. Mitchell.

## MAYOR'S MESSAGE.

Delivered before the City Council April 4, 1898.

*To the Honorable the Board of Aldermen :*

GENTLEMEN:—In accordance with the established custom, I have the honor to submit the following message for your consideration. Nearly all of the questions that will present themselves the coming year can only be met as they arise. Yet it may not be unwise to mention briefly some matters that will probably press for consideration this year.

The reports of the several departments of the city require your careful attention, as from them only can be obtained such details as will enable you to entirely understand our true situation.

### FINANCES.

No doubt the most important matter in city affairs is the question of finance. Upon the proper and conservative management of this department all other departments to a great extent depend. I will be as brief as possible, but its great importance requires very careful consideration.

Total bonded debt of the city-----\$ 612,000 00

Less sinking fund----- 167,145 95

Net bonded debt-----\$444,854 05

Amount of water bonds outstanding 255,000 00

Bonded debt of city, less water bonds 189,854 05

Assessed valuation of city, about--13,000,000 00

Floating debt (so called) reservoir and water notes-----	10,500 00
School notes (due in 1907)-----	6,000 00
School notes, Edmunds property, (due in 1, 2 and 3 years----	15,000 00
Three notes to Trust Company (due in July and August, 1898----	60,000 00
Due permanent improvement fund (due now)-----	5,187 06
Due Lawrence Barnes school (due now)-----	96 84
Due street department (due now)-	517 94
Due sinking fund (due now)-----	23,145 95
Total floating debt-----	120,447 78
Credit street assessments, not avail- able in 1898, but good-----	12,102 13
Total floating debt (due now)-----	108,345 65
<hr/>	
Floating debt due this year, reser- voir and water notes-----	6,500 00
Due departments as above-----	5,801 84
Due sinking fund-----	23,145 95
Due notes at Trust Company-----	60,000 00
	<hr/>
	\$95,447 79

## ASSETS.

Cash on hand-----	\$ 1,821 00
Liquors in agency-----	1,376 26
Street assessments due in 1898 (1-5 of whole amount)-----	3,025 53
Uncollected taxes, good, as estima- ted by treasurer-----	11,615 84

---

Uncollected water rates-----	79 53	
	<hr/>	\$ 17,918 16
Net floating debt above assets to be met this year-----		77,529 63
Estimated expenses for 1898 (as es- timated by retiring mayor)--		194,354 49
		<hr/>
Total amount to be provided for in 1898-----		\$271,884 12

In this connection I would say that the \$60,000 temporary loan has been used to run the city from January 1 to April 1, 1898, but if it is to cost \$20,000 per month for city expenses in by far the most quiet season of the year, I fail to see how the sum estimated above will be sufficient for current expenses in 1898. In regard to the assets, I must say that there is a very wide difference of opinion between the retiring mayor and myself.

He places the available assets at---		\$55,858 28
I find the street assessments 1-5 only available for 1898-----	\$ 3,025 53	
Uncollected taxes available in 1898	11,615 84	
Cash on hand-----	1,821 00	
Liquors in agency-----	1,376 26	
Old water notes-----	79 53	
	<hr/>	\$ 17,918 16
Balance of assets unavailable-----		37,940 12
		<hr/>
		\$ 55,858 28

Assets I regard unavailable for 1898:

Street assessments not available this year--	\$ 12,102 13
Railroad taxes not available this year-----	7,500 00

---

Taxes in opinion of treasurer not good-----	3,871 95
Cherry street property not available	1,200 00
Howard Hose, not available-----	3,000 00
Water plant, not available-----	10,266 04
	<hr/> \$ 37,940 12

The retiring mayor estimates the expenses for 1898 at \$194,354.49. While I never knew a mayor's pre-election estimates too large, I will accept them as a basis for calculation. Add to the above amount the floating debt to be provided for this year and we have a grand total of \$271,884.12. The whole matter is respectfully referred to the Board of Aldermen, as with them is wisely reposed the duty of meeting the obligations of the city in such manner as they may see fit.

I only desire to present to you and the taxpayers of the city the correct financial condition of the city, and leave the adjustment of the same to your judgment.

In view of the above figures, I would advise the very strictest economy in every possible direction.

In regard to the railroad taxes, I think it important that the matter should be adjusted in some way as soon as possible. They ought either to be collected or no longer remain upon the tax books.

#### TRUST FUNDS.

The trust funds for the Elmwood cemetery held by the City

Treasurer amount to-----	\$ 15,215 00
Accumulations of same-----	1,500 00
	<hr/> \$ 16,715 00
For Lakeview cemetery-----	\$ 10,475 00
Green Mount cemetery-----	620 24

## SCHOOLS.

The importance to our City, State, and nation, of the public schools cannot be overestimated. They are the foundation of our stability and prosperity, and are also schools of patriotism and good citizenship, and must have our most cordial support.

The schools of this city are justly famous, not only at home, but abroad throughout our State. For excellency they have few equals and no superiors. They are a lasting credit to our city, and contribute largely to our prosperity.

Pupils from all parts of our State, and even beyond our borders, are seeking admission to our schools and are willing to pay a large tuition fee for the privilege of being educated therein. Our schools and educational facilities attract many permanent residents to our city, who not only add to our population, but largely increase our grand list, hence adding to the wealth of the city.

Such schools as ours have not been developed in a single season; on the contrary, their excellent condition and high reputation has been the result of long and arduous labor.

To the present superintendent of our schools, as well as to those who have occupied the same position in the past, much of the credit is due, and we trust we may retain his services. I desire to publicly recognize the eminent services of Mr. S. W. Landon, the principal of our high school. The good work that he has done in connection with our schools is evident to all who take an interest in them, and it is to be hoped that he will long continue to be foremost in our work of education.

I desire to say that the very able and efficient corps of school teachers in the employ of the city have been selected

with the greatest care by the superintendent and the honorable board of school commissioners, and for high character and personal attainments are unequaled by any corps of teachers in this State. In this connection I would suggest that we should pattern by a custom of other cities, and have some signal that will be understood, by striking a certain bell or otherwise, so that upon the occasion of very severe storms neither teachers nor pupils will start for school. I suggest this in the interest of the health and comfort of both teachers and scholars.

The munificent gift of Senator and Mrs. Edmunds to the city has solved the problem of the location of a high school, and the thanks of every citizen of this city is certainly their just due, and is but a small return for such a timely and splendid gift.

There is probably but little difference of opinion in regard to the retention of the whole property by the city for educational purposes, and measures should be taken without unnecessary delay to secure the economical construction of a good, safe and proper building thereon. I trust it may be built by Burlington in its entirety, and not only give employment to our labor, but also be constructed of material either produced or handled in this market.

#### FIRE DEPARTMENT.

The fire department has done good work in the last year, and I think it can be entirely relied upon for protection by our citizens from fire, as far as human aid can be of avail. It is to be regretted that any friction between the members and some of the officers should have occurred, for anything of that kind very much interferes with the efficiency of a fire



department. I have no doubt that the whole matter will be considered properly by yourselves, and such proper action taken as you may deem advisable.

### WATER WORKS.

Our system of water works seem to be in excellent condition, the revenue arising from the use of the water not only pays the interest on the water bonds, but also furnishes ample funds for running expenses and for construction account.

While the pumping machinery at the lake is in good working order at the present time, and at present is required to run only about eight hours a day, machinery can be had to do the work at a much less expense for fuel, and it is possible that a still greater saving may be obtained by the use of electric power. It must be remembered that the present pumping machinery is at least 30 years old, and I fear that there may be danger of its giving out when least expected. Would it not be wise to put in auxiliary machinery at an early date?

For further particulars I would respectfully refer you to the report of the honorable board of water commissioners and that of Superintendent Crandall.

### STREET DEPARTMENT.

This is one of the most important departments of our city. A very large sum of money passes annually through its hands. I feel that all of the 20 per cent. tax levied for its use each year, that can possibly be spared, should be employed in making permanent improvements. I regard a general "patching-up" policy as of very doubtful utility, hence I would recommend that only such general repairs be made as are abso-



lutely necessary, and the balance be expended in the way of making permanent improvements.

### STREET LIGHTING.

In view of the expiration of the contract for street lighting during the present year, I would recommend that the subject of combining the pumping of the water with that of generating electricity at the pumping station be carefully considered, using the power for running the pumps during the day and operating the dynamos during the night.

### CITY ATTORNEY.

In view of the large sums paid by the city the past year for legal advice, I would recommend that the office of city attorney be made a salaried position.

### SANITARY.

The sanitary condition of our city continues good. The city seems to be free from the presence of any epidemic and the public health is excellent.

### LIQUOR AGENCY.

The liquor agency seems to have been carefully managed the past year. I have heard no complaints of any kind in regard to it.

### PAUPER DEPARTMENT.

The expenditure in this department the past year was nearly \$8,000. I have little doubt that the same amount will be required to carry it through this year.

### POLICE.

That the city met with a great loss in the death of Chief Dumas, there can be no doubt. He was active, vigilant and

brave, and had the peculiar faculty in the detection and prevention of crime that is only present with those of long experience and great natural ability in that direction. An honest, vigilant and respectable police are absolutely necessary for the peace and tranquility of any city. The charter gives the mayor the power of active supervision in this department, and I shall endeavor to do all that lies in my power to give the city that which they so much need in this department.

#### FLETCHER FREE LIBRARY.

I can in this matter do no better than refer you to the very able report of the librarian.

#### CONCLUSION.

The growth of our city seems to have been steady for the past year as in years gone by. We have suffered much less from hard times than most other places. The rate of taxation ought to be kept as low as possible, and especially must the several departments be kept within their appropriations. What the rate of taxation must be this year I submit to you. I have endeavored to present to you as accurate a statement of the financial condition of the city as I could obtain, and have no doubt that it is substantially correct.

There can be but one result from excessive taxation, a rapid decrease of wealth and population. Good citizens and business enterprises are prevented from coming here to locate, and all who can get away will do so. We ought in time, by practice of strict economy, to be able to get back to the old time tax levy of 100 cents on a dollar of the grand list, but I must admit that I see no present way of so doing. Our fixed charges have become so large that no economy in other directions seems to be equal to keeping the taxes at such a figure

---

as in my opinion ought to suffice for our city. With reasonable economy in the near future I think it can be reduced to \$1.25. Trusting to your hearty co-operation in all matters pertaining to the welfare of the city, with a profound sense of the responsibilities of my position, my best endeavors will be devoted to the interests of the whole people of our city.

E. M. SUTTON.

THIRTY-FIRST ANNUAL REPORT  
OF THE  
**Superintendent of Schools.**

---

DEPARTMENT OF PUBLIC SCHOOLS.

---

BOARD OF SCHOOL COMMISSIONERS.

PRESIDENT,

HENRY O. WHEELER.

- Ward One*—VOLNEY G. BARBOUR,  
90 North Prospect Street.  
*Ward Two*—DONLY C. HAWLEY,  
204 Pearl Street.  
*Ward Three*—JOSEPH I. FUGERE,  
7 North Avenue.  
*Ward Four*—CHARLES C. MILLER,  
The Richardson.  
*Ward Five*—BUEL J. DERBY,  
316 South Union Street.
- 

SUPERINTENDENT OF SCHOOLS,

HENRY O. WHEELER, 335 South Union Street.

---

CLERK OF THE BOARD,

DONLY C. HAWLEY.

---

**STANDING COMMITTEES.**

*On School Houses and School Property,*

Superintendent WHEELER,

Commissioners MILLER, HAWLEY and FUGERE.

*On School Instruction, Text-Books and Teachers,*

Superintendent WHEELER,

Commissioners HAWLEY, MILLER and BARBOUR.

*On Finance and Accounts,*

Superintendent WHEELER,

Commissioners FUGERE, DERBY and MILLER.

*On Rules and Regulations,*

Superintendent WHEELER,

Commissioners DERBY, BARBOUR and HAWLEY.

*Truant Officers,*

OLIVER LAMORA, 19 Converse Court.

O. W. POLAND, 189 Church Street.

---

**ROLL OF TEACHERS.**

*High School.*

Principal—Isaac Thomas, 8 Wilson Street.

First Assistant—Effie Moore, 247 Pearl Street.

Second Assistant—L. Florence Burdick,

72 Main St., Winooski.

Third Assistant—Phebe M. Towle, 29 So. Willard Street.

Fourth Assistant—Nelle A. Mower, 328 Pearl Street.

Fifth Assistant—Annie L. Sherburne, 58 So. Willard Street.

Teacher of French—Annie T. Smith, 212 So. Willard Street.

*Grammar School.*

Principal—Mary E. Wells, 29 So. Willard Street.

First Assistant—Winifred M. Collins, 57 Loomis Street.

Second Assistant—Mary E. Drew, 388 So. Union Street.

Special Assistant—Amy M. Burt, 483 Main Street.

*Main Street Grammar.*

Principal and B Grammar—Mrs. Ellen H. Vilas,

446 Pearl Street.

C Grammar—Adelle S. Lee, 433 So. Union Street.

B and C Primary—Frances L. Hobart, 27 Buell Street.

*Converse School.*

Principal and C Grammar—Sarah A. Martin, 47 Clarke St.

A Intermediate—Maria B. Harty, 375 St. Paul Street.

B Intermediate—Clara M. Lawrence, 15 Greene Street.

C Intermediate—Jennie M. Mathews, 71 Cherry Street.

A Primary—Mary A. Farrell, 45 Spruce Street.

B Primary—Nellie D. Butts, 11 Loomis Street.

C Primary—Annie A Smith, 137 Pearl Street.

Kindergarten—Mrs. Alice M. Fisk, 130 Loomis Street.

Special Assistant—Clara P. Loomis, 59 King Street.

Pupil Teachers—Edith C. Oakes, Mary F. Metcalf.

*Lawrence Barnes School.*

Principal and C Grammar—Mrs. Mary B. Mayo,

36 Orchard Terrace.

A Intermediate—Mrs. Jessie G. Lane, 51 Pearl Street.

B Intermediate—Mrs. Minnie M. Barker, North Avenue.

C Intermediate—M. Aurelia Peck, Experiment Farm.

A Primary—Mrs. Josephine A. Metts, 125 Elmwood Avenue.

B Primary—Jessie A. Chase, 58 Front Street.

C Primary—Emma C. Lanou, 28 Lafountain Street.

C Primary—Mary E. Russell, 152 Pine Street.

Kindergarten—Emily G. Bliss, 49 Church Street.

Special Assistant—Bertha D. Heflin, 45 So. Willard Street.

Pupil Teacher—E. Marie Bunker.

*Pomeroy School.*

Principal and C Grammar—Harriet Towne, 140 Loomis St.  
A Intermediate—Dora E. Smith, 24 Booth Street.  
B Intermediate—Anna L. Burnham, 78 N. Prospect Street.  
C Intermediate—Mary E. Enright, 132 Colchester Avenue.  
A Primary—Maude M. Weeks, 132 N. Union Street.  
B Primary—Lida M. Lanou, 26 Lafountain Street.  
C Primary—Frances M. Lewis, 19 School Street.  
Kindergarten—Adilaide Morgan, 130 Loomis Street.  
Pupil Teachers—Bernah H. Lessor, Ber.ha M. Smith.

*Ira Allen School.*

Principal, C Grammar, A Intermediate—  
Cora B. Drew, 82 Grant Street.  
B and C Intermediate—Charlotte W. Graves,  
96 Colchester Avenue.  
A and B Primary—Della L. Calvert, 5 Union St., Winooski.  
C Primary—Estelle M. Packard, 17 Maple Street, Winooski.

*Adams School.*

Intermediate Principal—Emma J. Chapman,  
24 Bay View Street.  
First Assistant—Minnie A. Goodell, 24 Bay View Street.  
Second Assistant—Ella J. Barrows, 97 King Street.  
Primary Principal—Mrs. Kate P. Miller, 446 So. Union St.  
First Assistant—Nellie Ayling, 75 Monroe Street.  
Second Assistant—Winifred E. Rice, 112 Adams Street.  
Kindergarten—Harriet Walker, 355 So. Union Street.  
Pupil Teachers—Hattie S. Warren, Grace S. Olds,  
Lillian P. Swasey.

*Archibald Street Primary.*

Principal—Mrs. Lois M. Malaney, 63 Elmwood Avenue.



First Assistant—Mary E. Parker, 38 Battery Place.

Second Assistant—Josephine M. Everett, 5 Johnson Street.

*S. W. Thayer School.*

Principal—Rosalyn M. Spaulding, Appletree Point.

Assistant—Amy H. Hathaway, 40 North Street.

*Park Avenue Primary.*

Principal—Laura L. Brownell, 400 So. Union Street.

Assistant—Emma A. Robair, 32 No. Bend Street.

*Ungraded School*

Teacher—Cornelia C. Underwood, 59 No. Union Street.

*Winooski Avenue Evening School.*

Teacher—George S. Lee, U. V. M.

*Falls Evening School.*

Teacher—Clarence L. Cowles, U. V. M.

Teacher of Drawing—Ella K. Herrick, 36 Lafayette Place.

Teacher of Music—J. H. Humphrey, 129 Loomis Street.

*Janitors.*

High School—Henry Rice, 292 North Street.

Adams and Main Street Grammar—W. H. Watkins,  
219 Elmwood Avenue.

Archibald Street Primary and Ungraded Schools—

Madison Paxton, 65 Lafountain Street.

Converse School—M. C. Spelman, 12 Johnson Street.

Lawrence Barnes School—Joseph Pine, 74 Monroe Street.

Ira Allen School—P. G. Foley, 137 Colchester Avenue.

S. W. Thayer School—F. W. Sharpley, North Avenue.

Park Avenue—C. M. Baldwin, Park Avenue.

Lawrence Barnes Annex—J. W. Madigan, 106 North Street.

Falls School—G. A. Rumsey, Chase Street.



---

### LOCATION OF SCHOOLS.

High School—Cor. College and So. Willard Streets.

Main St. Grammar—Cor. Main and So. Union Streets.

Pomeroy School—Cor. North and Booth Streets.

Pomeroy Annex—No. Winooski Ave., near North Street.

Adams School—So. Union Street, between Bay View and  
Howard Streets.

Adams Annex—So. Union Street, near Howard Street.

Converse School—Cor. Pine and Cherry Streets.

Lawrence Barnes School—Cor. North and Murray Streets.

Lawrence Barnes Annex—Corner. North and Champlain Sts.

Ira Allen School—Colchester Avenue, near East Avenue.

Archibald Street School—Cor. Archibald and Spring Streets.

Falls School—Chase Street.

S. W. Thayer School—North Avenue.

Park Avenue Primary—Park Avenue, near Howard Park.

## CLASS DAY EXERCISES.

---

B. H. S. '98, Y. M. C. A. HALL, JUNE 23, 1898, 8 O'CLOCK.

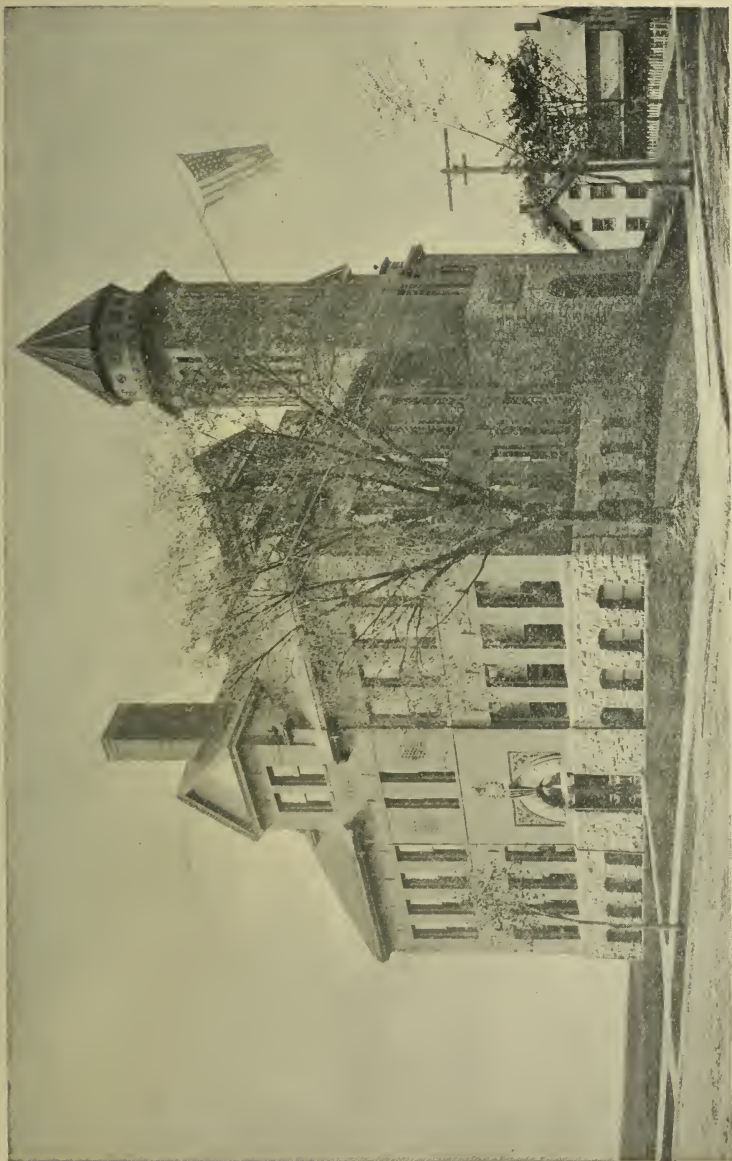
---

### PROGRAMME.

Music-----High School Banjo Club  
History-----Maude Ballard  
Oration-----H. Roy Allen  
Poem-----Harry E. Gage  
Music-----High School Glee Club  
Prophecy-----Carrie L. Whipple  
President's Address-----Carey P. Williams  
America-----School

### PERMANENT ORGANIZATION.

President-----John M. Wheeler  
Vice-President-----Molly E. Mower  
Secretary-----E. Marie Bunker  
Treasurer-----Louis E. Pope  
Custodian-----L. Herbert Merrihew



LAWRENCE BARNES SCHOOL.

LIBRARY  
UNIVERSITY OF ILLINOIS  
URBANA

## GRADUATING EXERCISES, CLASS OF '98, BURLINGTON HIGH SCHOOL.

HOWARD OPERA HOUSE, FRIDAY, JUNE 24, AT 2 O'CLOCK,  
P. M.

"Vincit qui se vincit."

### PROGRAMME.

#### MUSIC.

*Concert Overture*----- *W. A. Briggs*  
The Advantages of the World's Fair--Harriet Mabelle Allen  
The Andr  e Expedition-----F. J. Petty  
The Short Story-----Henrietta H. Hough  
Prison Reform-----Harry B. Joyner

#### MUSIC.

*On Guard*----- *P. Dierig*  
The Novel with a Purpose-----Molly E. Mower  
The Model High School-----L. Herbert Merrihew  
The Power of the Press-----Grace Weed Drury  
The Advantages of War in America-----Cassius R. Peck  
The American Sunday-----Julia W. Smith

#### MUSIC.

*Gavotte, "Excelsior Springs,"*----- *P. S. Rose*  
An Anglo-American Alliance-----John M. Wheeler  
A History of the Office of Poet Laureate--Cora Butler Eames  
Spain's Decay-----George Percival Auld  
The Bravery of Women-----Jessie Marian Ferrin

#### MUSIC.

*Waltz, "Heliotrope,"*----- *F. Reed*

## PRESENTATION OF DIPLOMAS.

## PRESENTATION OF TEACHERS' CERTIFICATES.

## AWARDING OF PRIZES.

## Class of '90 Prizes.

For excellence in Rhetorical exercises,

Grace Weed Drury, Cassius R. Peck.

## ALUMNI ASSOCIATION PRIZES.

## FOR SCHOLARSHIP AND DEPARTMENT.

Classical Course----- Katherine Worcester

Latin-English Course----- Cora Butler Eames

English Course----- Don Martin Rice

## HOWARD EDUCATIONAL FUND PRIZE.

Excellence in Scholarship for the entire course,

Cora Butler Eames.

## MUSIC.

*March, "America up to Date,"-----J. S. Dass*

## GRADUATES.

## ENGLISH COURSE.

H. Roy Allen,

Roy B. Atherton,

Ray T. Bates,

Grace A. Ferguson,

Lucius Hinckley Jones,

Mary Frances Madigan,

Selma Elizabeth Ockerblad,

Grace S. Olds,

J. Armond Osgood,

F. J. Petty,

Caroline Maud Pope,

Don M. Rice,

May Phila Varney,

Carrie Louise Whipple.

## LATIN-ENGLISH COURSE.

Harriet Mabelle Allen,	Bessie B. Morrill,
Maud Ballard,	Molly E. Mower,
Ethelyn Marie Bunker,	Lizzie Mae Neal,
Samuel Theodore Campbell,	Louis Edward Pope,
Jane M. Dingman,	Vernon George Rand,
Cora Butler Eames,	Julia W. Smith,
Jessie Marian Ferrin,	Ethel M. Stevens,
Helen Lida Hodge,	Roy W. Tyler,
Henrietta H. Hough,	Lilian Walker,
Arthur James McCuen,	Gertrude Mabel Wheeler,
Maud Leonora Merrihew,	Carey Persia Williams.
Mary F. Metcalf,	

## CLASSICAL COURSE.

George Percival Auld,	Harry B. Joyner,
George D. Brodie,	L. Herbert Merrihew,
Lilian A. Dodds,	Cassius R. Peck,
Douglas Donald,	Arthur Duane Stearns,
Grace Weed Drury,	Walter Stockton,
Harry E. Gage,	John M. Wheeler,
Elizabeth Converse Johnson,	Leonard Worcester.

## TEACHERS' COURSE.

Myrtle Barnes,	Lizzie M. Neal,
Ella Brownell,	Selma E. Ockerblad,
Grace W. Drury,	May P. Varney,
Henrietta H. Hough,	Carrie L. Whipple,
Jessie Lord,	Gertrude M. Wheeler,
Mary F. Madigan,	

# REPORT

## OF THE

### Superintendent of Public Schools.

*To the Honorable the City Council :*

GENTLEMEN :—In compliance with the requirements of the City Charter, I have the honor to present the report for the Department of Public Schools, (the thirty-first to the City Council, and my nineteenth,) for the year 1898.

#### FINANCIAL STATEMENT.

##### RECEIPTS.

City appropriation-----	\$43,300 00
Interest on U. S. Deposit fund-----	1,761 97
"    Huntington fund-----	555 99
"    School fund-----	56 56
Rent of School Lands-----	83 03
Tuition from non-resident pupils-----	1,581 00
Sundries-----	26 09
State Treasurer, State Tax-----	1,996 84
Rent-----	100 00
From sale of school furniture-----	24 00
Loan for repairs on Pomeroy School-----	12,000 00
Total-----	\$61,485 48



## DISBURSEMENTS.

Teachers' salaries-----	\$29,556 63
Superintendents' salary-----	1,500 00
Janitors and cleaning-----	3,464 95
Repairs-----	16,482 66
Fuel-----	2,758 77
Incidentals-----	2,537 57
Supplies-----	1,990 91
Furniture-----	1,567 20
School census-----	204 36
Water rates-----	330 44
Insurance-----	266 38
Apparatus, maps and charts-----	16 25
Truant officers-----	282 00
Rent-----	427 00
Interest-----	96 83
Total-----	<u>\$61,481 95</u>

## RECAPITULATION.

Total receipts by city treasurer----	\$61,485 48
Total disbursements-----	<u>61,481 95</u>
Surplus in city treasury--\$	3 53

## LAWRENCE BARNES SCHOOL CONSTRUCTION ACCOUNT.

## RECEIPTS.

Balance brought forward-----	\$ 96 84
------------------------------	----------

## HIGH SCHOOL CONSTRUCTION ACCOUNT.

Amount disbursed-----	\$12,310 74
-----------------------	-------------

We, the undersigned, have examined the books and vouchers for the year 1898, of H. O. Wheeler, Superintendent of Schools, and find them correct.

GEO. W. BECKWITH, }  
 JOHN C. FARRAR, } Auditors.  
 THOMAS FAILEY, }

In behalf of the Board of School Commissioners, I present the following estimates of receipts and disbursements for the year 1899.

#### RECEIPTS.

Appropriation-----	\$ 51,000 00
Interest on U. S. Deposit fund-----	1,761 97
“       Huntington fund-----	555 99
“       School fund-----	50 00
Rent from leased land-----	132 04
Tuition from non-resident pupils-----	1,450 00
State tax-----	1,700 00
Rent-----	150 00
Total-----	\$ 56 800 00

#### DISBURSEMENTS.

Teachers' salaries-----	\$ 31,000 00
Superintendent's salary-----	1,500 00
Clerk's salary-----	600 00
Janitors and cleaning-----	3,800 00
Repairs-----	5,000 00
Fuel-----	3,500 00
pparatus, maps and charts-----	500 00
I ncidentals-----	3,000 00

---

Supplies-----	\$ 2,500 00
Furniture-----	3,500 00
School census-----	200 00
Water rates-----	500 00
Insurance -----	500 00
Truant officer-----	300 00
Rent-----	400 00
	<hr/>
Total -----	\$56,800 00

---

## VALUE OF SCHOOL PROPERTY.

### REAL ESTATE.

As appraised by the City Assessors.

High School-----	\$ 40,000
Adams School-----	20,000
Pomeroy School, (valued by School Board)-----	30,000
Main Street School-----	7,500
Converse School-----	45,000
Lawrence Barnes School-----	24,000
Archibald Street School-----	4,500
Falls School, Chase Street-----	1,200
Star Hose Building-----	5,000
S. W. Thayer School-----	8,500
Ira Allen School-----	21,500
Lot and house, 148 Colchester Avenue-----	2,500
	<hr/>
Total -----	\$ 209,700
Grand List of Burlington-----	\$127,301 51
Estimated population of Burlington-----	18,500

## BURLINGTON HIGH SCHOOL SCHOLARSHIP FUND.

## RECEIPTS.

Balance from account of 1897-----	\$1,605 65
Interest on deposits-----	53 90
Total -----	<u>\$1,659 55</u>

## DISBURSEMENTS.

Paid tuition in the University of Vermont and State Agricultural College-----	\$ 470 00
Paid tuition in the Burlington High School-----	148 00
Total -----	<u>\$ 618 00</u>

Jan. 1, 1899, balance on deposit in Burlington  
Trust Co., to the credit of the fund----- \$1,041 55

S. W. LANDON, Treasurer.

We the undersigned, have examined the vouchers and book of S. W. Landon, Treasurer of the Burlington High School Scholarship Fund, and find the above statement correct.

GEO. W. BECKWITH,	} Auditors.
JOHN C. FARRAR,	
THOMAS FAILEY,	

## STATISTICS.

The following tables exhibit the condition of our schools by terms, in respect to enrollment, attendance, regularity, punctuality, etc., and a comparison with the important items in the statistics for the preceding year:

# WINTER TERM, 1898.

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance Per Cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of visits rec'd.
High School,	Grade A	38	34	89	60	4	10	1	22
	" B	46	42	91	60	8	6	5	22
	" C	62	56	90	60	8	12	5	22
	" D	116	115	99	60	22	36	11	22
	Specials	15	14	93	60	3	4	2	22
Grammar School,	Grade A <sup>1</sup>	43	40	93	60	24	44	4	10
	" A <sup>2</sup>	46	42	91	60	12	49	6	2
	" B	66	61	92	60	34	19	17	11
Main St. Grammar, No. 1		41	38	92	59	9	10	8	14
" " " " 2		32	30	94	60	16	5	6	8
Converse School,	C Grammar	35	32	91	60	13	7	6	14
	Intermediate A	44	36	82	60	12	5	7	7
	" B	46	41	89	60	14	11	8	11
	" C	49	43	88	60	14	24	8	16
	Primary A	57	50	88	60	4	3	6	26
	" B	49	41	84	59	38	15	2	19
	" C	55	46	84	60	12	4	3	27
	" C <sup>2</sup>	30	24	80	60	16			7
	Kindergarten	33	23	70	60		1	1	11
Lawrence Barnes Sch.,	C Grammar	35	34	97	60	3		7	11
	Intermediate A	37	32	87	60	11	19	8	
	" B	51	46	90	60	21	3	10	13
	" C	49	43	88	60	24	23	9	5
	Primary A	52	48	92	60	10	9	17	26
	" B	48	42	88	60	13	6	7	16
	" C	51	45	89	60	10	6	5	23
	" C <sup>2</sup>	55	45	82	60	11	1		12
	Kindergarten	22	15	68	60				43
Ira Allen School,	C Grammar	15	13	87	60	2	1		4
	A Intermediate	25	21	84	60	4	6	2	4
	B and C	39	33	85	60	7	3	5	10
	A and B Primary	37	30	81	60	11	3	2	9
	C	41	30	73	60	20	13		8
Pomeroy Intermediate,	Grade A	35	32	92	60	4	5	7	12
	" B	28	26	93	60	19	3	3	
	" C	43	39	91	60	11	9	4	
Adams Intermediate,	" A	31	29	94	60	7	3	2	14
	" B	35	30	86	60	3	5	4	3
	" C	38	34	89	60	11	3	3	7
Pomeroy Primary,	" A	31	28	90	60	8	14	4	4
	" B	17	15	88	60	11	3	3	3
	" C	81	65	80	60	59	3	5	4
	Kindergarten	30	22	73	60				18
Adams Primary,	Grade A	33	30	91	60	11	11	1	13
	" B	27	24	88	60	17	6	1	7
	" C	45	37	82	60	30	6	3	11
	Kindergarten	16	10	63	60				10
Archibald St. Primary,	Grade A	16	14	88	60	6	4	3	33
	" B	22	20	91	60	8	7	3	17
	" C	67	54	81	60	18	1	3	22
Main St. Primary,	Grades B and C	33	28	85	60	25	8	1	11
Park Ave. Primary,	" A and B	27	16	59	58½	14	13		4
	Grade C	38	23	61	60	15			4
S. W. Thayer School,	Int. Gr. & Pr.	23	20	91	60	7	1	4	
Star Hose School,	Ungraded, Day	27	15	50	60	30			5
" " " " " "	Ungraded Evening	20	11	55	54			1	2
Falls School,	Evening	11	7	64	60				
Totals		2234	1914	85		724	463	133	681

# SPRING TERM, 1898.

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance Per Cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of visits rec'd.
High School,	Grade A	38	33	87	59	4	7	5	6
	" B	43	40	93	59	4	12	5	6
	" C	57	33	98	59	16	18	10	6
	" D	107	97	91	59	25	52	20	6
	Specials	14	12	86	59	0	5	2	6
Grammar school,	Grade A <sup>1</sup>	44	40	91	59	22	20	11	59
	" A <sup>2</sup>	44	41	93	59	29	11	8	59
	" B	65	61	94	59	39	26	20	9
Main St. Grammar, No. 1	-----	41	38	93	59	7	18	10	19
" " " " 2	-----	35	31	89	59	11	11	9	12
Converse School,	C Grammar	31	27	87	59	6	5	8	10
	Intermediate A	41	36	88	45	12	5	8	10
	" B	42	39	93	45	8	12	12	3
	" C	49	44	90	45	11	8	15	3
	Primary A	56	50	89	45	2	3	12	18
	" B	46	33	72	42	18	11	5	18
	" C <sup>1</sup>	57	48	84	45	8	5	9	25
	" C <sup>2</sup>	35	29	83	44	7	0	2	25
	Kindergarten	52	45	87	45	10	2	4	10
Lawrence Barnes Sch.,	C Grammar	28	25	89	59	6	1	7	4
	Intermediate A	32	27	84	45	11	12	5	4
	" B	44	41	93	45	11	16	14	14
	" C	44	37	84	45	11	21	13	1
	Primary A	50	46	92	45	6	9	21	26
	" B	50	45	90	44	9	9	12	11
	" C <sup>1</sup>	49	44	90	45	7	3	15	33
	" C <sup>2</sup>	65	56	86	45	9	3	9	30
	Kindergarten	37	25	68	45	0	2	5	31
Ira Allen School,	C Grammar	17	15	88	59	1	4	6	2
	Intermediate A	25	23	92	45	3	6	7	2
	Intermediate B and C	37	32	86	45	1	2	9	2
	Primary A and B	37	32	86	44	7	7	8	23
	" C	43	38	88	44	15	8	9	17
Pomeroy School,	Intermediate A	34	32	94	45	5	4	15	5
	" B	28	25	89	44	6	3	10	5
	" C	43	38	88	45	13	3	5	5
	Primary A	33	31	94	44	6	6	7	36
	" B	18	16	89	44	0	4	8	4
	" C	86	71	83	44	14	11	12	5
	Kindergarten	36	25	69	45	14	0	1	14
Adams School,	A Intermediate	29	26	90	45	2	3	8	9
	B " "	29	26	90	45	3	1	7	9
	C " "	36	33	92	45	3	1	8	5
	Primary A	38	33	87	45	5	8	7	59
	" B	28	25	89	45	8	10	9	47
	" C	49	42	86	45	15	5	3	47
	Kindergarten	23	16	70	45	1	0	7	14
Archibald St. School,	Primary A	15	14	93	45	4	6	5	6
	" B	21	19	94	45	6	6	2	15
	" C	76	65	86	45	20	4	6	11
Main St. Primary B and C	-----	34	29	85	45	9	2	7	7
Park Ave. School, Primary A and B	-----	18	14	89	45	7	21	2	2
	" C	29	20	69	45	20	0	0	2
S. W. Thayer Sch., Int. Gr and Pr.	-----	35	31	90	44	5	1	5	
Star Hose School, Ungraded, Day	-----	24	12	50	44	17	0	0	
Totals	-----	2217	1926	87		519	433	449	817



# FALL TERM, 1898.

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance Per Cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visits Rec'd.
High School,	Grade A	33	32	97	80	2	1	17	18
	" B	52	49	94	80	8	5	8	18
	" C	80	71	89	80	39	26	7	18
	" D	134	122	91	80	77	65	24	18
	Specials	22	17	77	80	9	5	2	18
Grammar School	Grade A <sup>1</sup>	53	48	91	80	22	26	14	13
	" A <sup>2</sup>	60	52	87	80	26	14	16	13
	" B	53	47	89	80	21	58	8	12
Main St. Grammar, No. 1	-----	47	44	94	80	3	9	9	15
" " " No. 2	-----	44	36	82	80	32	19	5	12
Converse School,	C Grammar	43	37	86	75	20	9	7	12
	Intermediate A	40	32	80	75	9	5	4	12
	" B	51	47	92	75	23	14	12	16
	" C	59	53	90	75	11	16	4	16
	Primary A	56	46	82	75	5	1	8	58
	" B	51	42	82	75	23	10	2	25
	" C <sup>1</sup>	60	44	73	75	15	4	3	37
	" C <sup>2</sup>	43	30	69	75	27	0	2	12
	Kindergarten	41	28	68	75	0	0	0	26
Lawrence Barnes Sch.,	C Grammar	20	17	85	75	3	3	3	7
	Intermediate A	40	35	88	75	5	3	8	14
	" B	52	43	83	75	13	15	9	6
	" C	52	43	83	75	28	55	10	13
	Primary A	50	44	88	75	8	4	12	30
	" B	50	41	82	75	22	8	4	21
	" C <sup>1</sup>	55	46	84	75	11	5	8	53
	" C <sup>2</sup>	59	45	76	75	19	5	6	54
	Kindergarten	36	24	67	75	4	0	1	36
Ira Allen School,	C Grammar	21	19	90	75	4	3	1	14
	Intermediate A	13	9	70	75	2	1	2	14
	Intermediate B and C	41	37	90	75	1	3	7	13
	Primary A and B	42	37	88	75	8	5	6	16
	" C	42	35	86	75	9	0	3	15
Pomeroy School,	C Grammar	27	21	78	70	5	1	3	3
	Intermediate A	32	27	84	70	17	6	11	2
	" B	42	38	88	70	21	6	8	0
	" C	36	32	89	70	17	9	6	2
	Primary A	34	30	88	70	13	2	4	3
	" B	53	40	75	69	18	8	3	10
	" C	59	35	59	69	20	8	7	6
	Kindergarten	23	16	70	75	0	1	7	12
Adams School,	Intermediate A	29	25	86	75	3	0	6	14
	" B	34	29	85	75	3	3	6	12
	" C	42	38	80	75	3	4	10	11
	Primary A	38	33	87	75	14	8	4	58
	" B	26	22	85	75	11	7	3	62
	" C	57	44	77	75	22	11	6	65
	Kindergarten	21	14	67	75	0	2	2	48
Archibald St. School,	Primary A	24	19	79	75	12	10	1	19
	" B	28	23	82	75	5	8	2	15
	" C	72	56	78	75	19	3	3	6
Main St. Primary,	Grades B and C	29	25	86	75	22	5	3	12
Park Ave. " "	" A and B	20	14	70	75	11	22	1	4
	" C	35	16	46	75	10	1	0	3
S. W. Thayer Sch.	{ Grammar	14	13	93	75	44	9	0	16
	{ Intermediate	23	20	87	75	40	3	2	22
Star Hose School, Ungraded Day	-----	22	7	32	75	13	0	0	2
" " " Evening	-----	12	6	50	25	0	0	0	1
Falls School, Evening	-----	12	8	67	20	0	0	3	0
Totals	-----	2439	1903	78		852	534	333	1083

## COMPARISON WITH STATISTICS OF 1897.

	WINTER TERM.				SPRING TERM.				FALL TERM.			
	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.
Totals in 1898	2234	1914	85	133	2217	1926	87	449	2439	1903	78	333
Totals in 1897	2132	1742	82	283	2124	1827	86	367	2433	2042	84	386
Losses in 1898	---	---	---	150	---	---	---	---	---	139	6	53
Gains in 1898	102	172	3	---	93	99	1	82	6	---	---	---



# REPORT



## OF

# CHARLES E. ALLEN, City Clerk,

## TO THE STATE SUPERINTENDENT,

## FOR THE YEAR ENDING MARCH 31, 1898.

### TABLE I—SCHOOLS.

- |   |    |
|---|----|
| 1. How many "legal schools" maintained in your town since April 1, 1897? .....  | 54 |
|  (In schools of more than one department, count each department or grade that keeps a separate register as a separate school. A "legal" school is one taught twenty-eight weeks since April 1, 1897, by a teacher having a legal certificate, in which a school register has been kept and returned according to law.) |    |
| 2. How many graded schools in town? Graded city system .....  |    |
|  A graded school is one of three or more departments, four or more teachers, and thirty or more weeks.—Sec. 656.   |    |
| 3. How many schools of less than 28 weeks in town?....  | 2  |
| (Especial accuracy in regard to the following six questions is desired, for upon their sum will be based the division of the money derived from the 5 per cent State Tax. See Secs. 762, 763. For answers consult the second of the "Questions to be answered by the Teachers," "for the year," in the registers.)  |    |
| 8. How many schools in town of 36 weeks or more?.....   | 54 |

---

9.	What is the sum of the five preceding questions?....	56
10.	What was the aggregate number of weeks of such schools as had less than 28 weeks each?.....	33
11.	What was the aggregate number of weeks of schools having 28 or more weeks?.....	2019
12.	What was the aggregate number of weeks of all public schools in town? .....	2052
	(Sum of two preceding questions.)	
13.	What was the average number of weeks of schools having 28 or more weeks? .....	37.4
	(Divide answer to question 11 by answer to question 9.)	

[In the following four questions count an annex as part of the main building and not as a separate school house. Count as a separate school each department or grade that keeps a separate register.

14.	How many school houses of only 1 school and one teacher? .....	3
15.	How many school houses of two schools and two teachers? .....	1
16.	How many school houses of 3 schools and three teachers? .....	3
17.	How many school houses of 4 or more schools and four or more teachers? .....	6

[For answers to the following four questions, see No. 12 of questions answered by the teacher of the last term of the school year.]

18.	How many schools of 6 pupils or less during last term of school year? .....	0
19.	How many schools of more than 6 and not more than 12? .....	0
20.	How many schools of more than 12 and not more than 20? .....	3
21.	How many schools of more than 20 pupils? .....	53

## TABLE II—SCHOOL CENSUS.

The following questions are answerable from census taken by the Clerk of school Board.

[From "5 to 8 years" means from fifth to eighth anniversary of birth.]

1. How many children in town between 5 and 8 years of age? .....	1023
2. How many children in town between 8 and 15 years of age? .....	2272
3. How many children in town between 15 and 21 years of age? .....	1816
4. What is the sum of the three preceding questions?...	5111
5. How many boys in town between 5 and 21 years of age? .....	2538
6. How many girls in town between 5 and 21 years of age? .....	2573
7. How many children were enrolled upon registration page at back of registers who are now non-residents of the town or were non-residents at time of census enumeration this year? .....	75
[Compare enumeration with registration page at back of registers, or make estimates.]	

## TABLE III—SCHOOL ATTENDANCE.

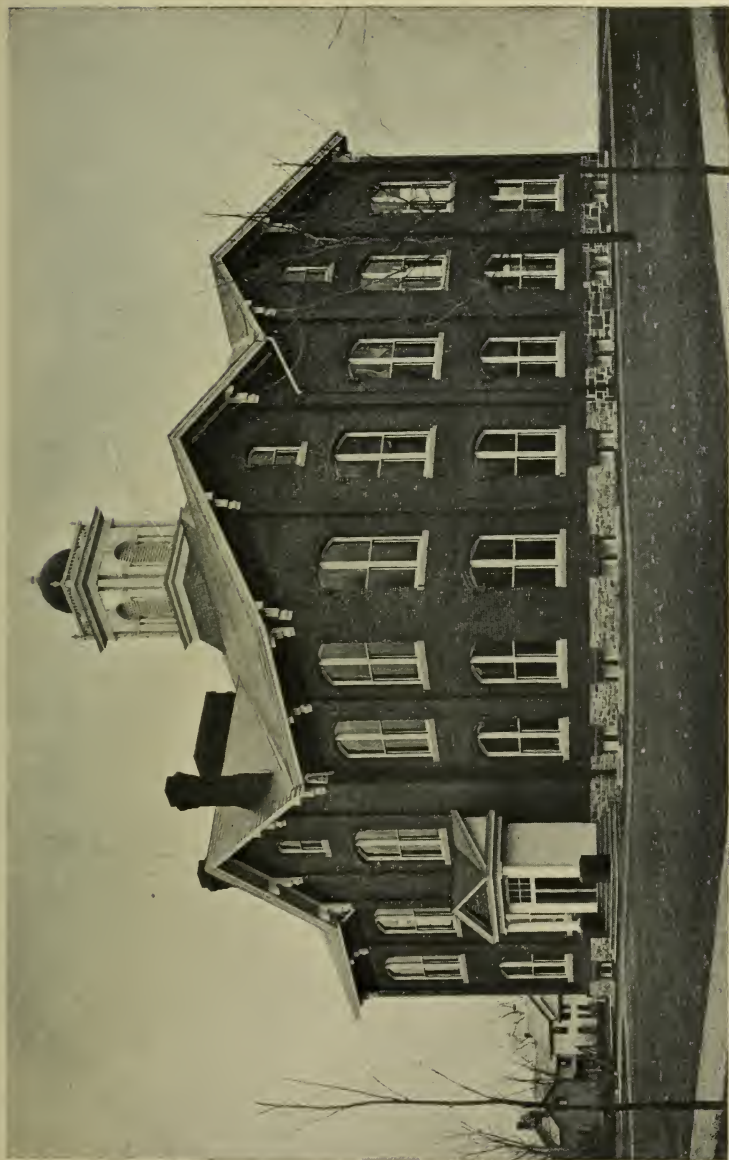
[Answer the following six questions from the registration sheet at the back of the registers. The answers would naturally be smaller than the corresponding answers in previous table.]

0. Number of children in kindergarten below 5 years of age? .....	74
1. How many children between 5 and 8 years of age have attended school? .....	584
2. How many children between 8 and 15 years of age have attended school? .....	1495
3. How many children between 15 and 21 years of age have attended school? .....	563

4.	What is the sum of the three preceding questions?...	2642
	What is the sum of the three preceding questions, including kindergarten?.....	2716
5.	How many boys between 5 and 21 years of age have attended school?.....	1433
6.	How many girls between 5 and 21 years of age have attended school?.....	1209
	[Answer the following six questions from the highest number enrolled in body of the registers.]	
7.	How many children have attended schools of less than 28 weeks?.....	61
12.	How many children have attended schools of not less than 36 weeks?.....	2581
13.	What was the aggregate total attendance of all pupils between 5 and 21 years of age?.....	342,869.5
	(Obtained from question 4 of register for the year.)	
14.	What was the average number of days of attendance of all pupils?.....	129.7
	(Divide the answer of the 13th question by the answer to the 4th question of this table.)	
15.	What was the average number of days of school for all schools in town?.....	182.6
	(Obtained from question 1 in registers Divide the sum of answers to question 1, "for the year," by answer to question 9, Table 1.)	
16.	What was the average attendance per day?.....	1877
	(Divide the answer of the 13th by the answer of the 15th question.)	

TABLE IV—RESOURCES.

1.	What is the grand list of your town?.....	\$128,799.43
2.	What per cent of the grand list was raised last year for school purposes?.....	.30
	(Exclude 5 per cent State tax )	
3.	What was the amount raised thereby?.....	38,600.00
4.	What amount was received from the Huntington fund?.....	555.99



NEW POMEROY SCHOOL.

LIBRARY  
UNIVERSITY OF ILLINOIS  
URBANA

5.	What amount was received from the U. S. Deposit Fund?.....	1,761.97
6.	What amount was received from the 5 per cent State tax in July, 1897?.....	1,802.13
7.	What amount was received in tuition from other towns or districts?.....	1,724.00
8.	What amount was received from other sources?.....	327.57
9.	What is the sum of the six preceding questions?.....	44,771.66
11.	How much, if any, is your town in debt for repairs and new school buildings?.....	88,000.00

TABLE V—EXPENDITURES.

1.	What amount was paid for teachers' wages including board for the year?.....	\$ 29,081.22
2.	What amount was paid the Superintendent of Schools for services?.....	1,500.00
4.	What amount was paid for regular and supplementary text books?..... (School Supplies).....	2,234.70
5.	What amount was paid for reference books?.....	
6.	What amount was paid for incidentals and appliances?.....	3,234.54
7.	What amount was paid for fuel?.....	3,335.07
8.	What amount was paid for janitors' services?.....	3,316.86
9.	What amount was paid for furniture?.....	759.31
12.	What is the sum of the eleven preceding questions?..	43,461.70
13.	What amount was paid for repairs?.....	1,216.95
14.	What amount was paid for new buildings?.....	487.50
15.	What is the sum of the three preceding questions?..	45,166.15
16.	The answer to the preceding question is what per cent. of the grand list?.....	35 per ct.
17.	What was the cost per week of the schools in your town?.....	22.01
	(Divide No. 15 of this table by No. 12 of Table I.)	
18.	What was the cost per pupil in your town?.....	17.09
	(Divide No. 15 of this table by No. 4 of Table III.)	

TABLE VI—SCHOOL HOUSES AND SUPPLIES.

1.	How many school houses in your town?.....	14
----	---	----



---

2. How many school houses unused for school purposes during whole of the past year?.....	0
3. How many new school houses have been built the past year? .....	0
4. How many school houses have been repaired the past year?.....	14
5. How many school houses have been furnished with new supplies? .....	14
6. How many are furnished with dictionary or books of reference? .....	14
7. How many furnished with charts, globes, or maps?..	14
8. How many have a library? (small)-.....	14

---

TABLE VII—TEACHERS.

1. How many different male teachers have been employed the past year?.....	5
2. How many different female teachers have been employed the past year?.....	63
3. How many different male teachers employed who were not employed in any other town in the State between April 1, 1897, and time of employment in your town during the past school year?.....	5
4. How many different female teachers employed who were not employed in any other town in the State between April 1, 1897, and time of employment in your town during the past school year? .....	62
5. What was the average wages per week, including board of male teachers?.....	\$23.11
6. What was the average wages per week, including board, of female teachers?.....	11.74
7. How many teachers have attended a Vermont Normal School?.....	3
[Do not count such Normal School teachers as were employed in some other town in the State between April 1, 1897, and the time of employment in this town the past school year?]	



8.	How many teachers are graduates of a Vermont Normal School? .....	2
12.	*State, in years, the longest time that a teacher has been employed in the same school? .....	25 $\frac{2}{3}$
13.	How many teachers are college graduates? .....	10
* Miss Mary E. Wells.		

TABLE VIII—TRANSPORTATION.

1.	How many schools were closed 1 term only? (evening schools.) .....	2
2.	How many schools were closed 2 terms only? .....	None
3.	How many schools were closed 3 terms? .....	None
4.	How many pupils were furnished conveyance 1 term? .....	None
5.	How many pupils were furnished conveyance 2 terms? .....	None
6.	How many pupils were furnished conveyance 3 terms? .....	None

TABLE IX—MISCELLANEOUS.

1.	How many visits were made by the Town Superintendent .....	309
2.	How many visits were made by School Directors? .....	42
5.	Is there a public library in your town? .....	Yes
6.	How many volumes? .....	32,000
7.	Is there a Parochial school in your town? .....	Yes
8.	What is the number of attendants above five years of age? .....	1,282
9.	Is there a private school, not a parochial school, academy nor seminary, in your town? .....	Yes
10.	What is the number of attendents above five years of age? .....	242
11.	Is there a kindergarten school in your town? .....	Yes 4—public
12.	What is the estimated number of pupils from your town attending high schools, academies or seminaries in other towns? .....	Number very small
13.	Did your town at its last meeting vote to establish a Free Public Library, according to Secs. 875, etc? .....	No
14.	Have teachers' meetings been held by your Town Superintendent during the past year? .....	Yes

Has a school rally, or an exhibition by all the schools  
in town, been held during the past year?----- No.

TABLE X—SCHOOL OFFICERS FOR THE SCHOOL  
YEAR 1898-99.

Before each Director's name, by figures, give the number of remaining years each Director is to serve.

HENRY O. WHEELER, Chairman,	} School Directors.
2 VOLNEY G. BARBOUR,	
1 DONLEY C. HAWLEY,	
2 JOSEPH I. FUGERE,	
1 CHARLES C. MILLER,	
1 BUEL J. DERBY.	

DONLEY C. HAWLEY, Clerk of School Board for ensuing year.

HENRY O. WHEELER, Town Supt. of Schools for ensuing year.

NOTE.—A legal school is one taught by a teacher having a legal certificate, in which a separate school register is kept and returned according to law, and maintained 28 or more weeks.

SEC. 761, Vermont Statutes, reads—"Every town and city clerk shall, on or before the first day of June of each year, furnish to the Superintendent of Education, on a blank to be supplied by him for that purpose, a certified statement of the number of legal schools maintained during the preceding year in his town or city; and the Superintendent of Education shall forthwith transmit such statements to the State Treasurer. In case of failure on the part of its clerk to comply with the provisions of this section, a town or city shall not be entitled to a share of the tax herein assessed."

THIS IS TO CERTIFY, That there have been maintained in this town for the school year ending March 31, 1898, 54 legal schools of 28 or more weeks.

CHARLES E. ALLEN, City Clerk,  
City of Burlington, County of Chittenden.

---

SCHOOL CENSUS.

The valuable report of Dr. D. C. Hawley, clerk of the Board of School Commissioners, giving the results of the school census taken by him, with his comments thereon, will be found below :

## SCHOOL CENSUS OF THE CITY OF BURLINGTON.

BURLINGTON, VT., April 1, 1898.

*To the Board of School Commissioners :*

GENTLEMEN:--I hereby submit a report of the School Census for the city of Burlington, for the year ending March 31, 1898, which I have completed according to the law of the State.

The report tabulated by wards, is as follows :

TABLE No. 1. SCHOOL CENSUS, 1898. TABULATED BY WARDS.

WARDS.		NUMBER OF CHILDREN OF EACH YEAR OF SCHOOL AGE.																	TOTALS.				
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	5 to 8	8 to 15	15 to 21	Boys. 5 to 21	Girls. 5 to 21	
First	12	14	18	8	24	20	17	16	17	17	17	21	26	20	37	35		44	119	156	319	153	166
Second	107	94	105	78	92	97	83	95	90	102	103	83	83	83	92	64	69	306	637	498	1441	693	748
Third	121	113	134	107	108	98	111	113	101	99	80	116	86	85	72	61		368	737	500	1605	822	783
Fourth	30	25	23	28	39	35	36	34	35	32	35	40	30	39	46	46		78	239	236	653	289	264
Fifth	80	74	73	79	82	73	76	80	71	79	82	86	68	79	69	42		227	540	426	1193	581	612
Totals	350	320	353	300	345	323	323	338	314	329	317	346	293	315	288	253		1023	2272	1816	5111	2538	2573

WARDS.		TOTALS, SHOWING NUMBER OF ILLITERATES AND PERCENTAGE OF ILLITERACY.										Number of Families having Children of School Age.									
		5 to 14		Illiterate 5 to 15.		Percentage of Illiteracy.		15 to 21		Illiterate 15 to 21.		Percentage of Illiteracy.		5 to 21		Illiterate 5 to 21.		Percentage of Illiteracy.			
First	163	2				156	2		319	4											167
Second	943	4				498	1		1441	5											605
Third	1105	6				500	5		1605	11											580
Fourth	317	2				236	0		553	2											248
Fifth	767	0				426	0		1193	0											491
Totals	3295	14	0.4+			1816	8	0.4+	5111	22	0.4+										2091

A study of the figures above given, shows us that there are in the Third Ward 1,605 children of school age, in the Second Ward 1,441, in the Fifth 1,193, in the Fourth 553 and in the First 319. Further, the fact is developed that the aggregate number of children of school age in the second and third wards is greater by 50 per cent. than in the first, fourth and fifth wards, or again that the number of children of school age in that portion of the city lying north of Pearl street and west of North Prospect Street is greater by 50 per cent. than the number in all the rest of the city. This fact is of considerable interest, and has an obvious bearing upon the location of our school buildings.

By comparison with former reports we find that the present enumeration is the largest ever made, showing an increase in the number of children of school age, of 186 over 1897, and of 99 over 1896. This increase is common to all the wards except Ward four, where residential is gradually being transformed into business property, there is a decrease of 30, due no doubt to the removal of several families to Lakeside Park. The greatest increase is in Ward five, where there is a gain of 110. This increase is due to a considerable influx of families at Lakeside Park. Ward two shows a gain of 75 and Ward three a gain of 43.

These figures attest the gradual growth of our city, in spite of the business depression of the past three years.

TABLE NO. 2.

Age 5 to 18.	1890	1891	1892	1893	1894	1895	1896	1897	1898
Number children in public schools.....	1740	1769	1875	2017	2058	2200	2353	2484	2642
Number children in parochial schools.....	1322	1380	950	1072	1127	1294	1305	1300	1274
Number children in private schools.....	148	143	288	184	250	281	383	286	269
Number children not found in any school.....	461	306	594	438	376	73	105	35	70
Totals.....	3671	3698	3707	3711	3811	3848	4146	4105	4255

Table No. 2 shows an increase in public school attendance of children of school age over 1897, amounting to 158, and further a gradual increase since 1890 amounting to nearly 1,000.

There are also in attendance in the various kindergartens in the city seventy-four children who are below school age, *i. e.*, five years. This number is, of course, not included in the above tabulated report.

Very respectfully,

D. C. HAWLEY, M. D.,

Clerk of School Board.

## SCHOOL SAVINGS.

Burlington Trust Company's statement of School Savings accounts :

Balance Jan. 1, 1898-----	\$3,593 51
Total deposit since Jan 1, 1898-----	691 00
	<hr/>
	\$4,284 51
Total withdrawals since Jan. 1, 1898-----	642 61
	<hr/>
Balance Jan. 1, 1899-----	\$3,641 90
Amount standing to teachers' credit-----	92 61
	<hr/>
Balance of School Savings-----	\$3,734 51
	<hr/>
Number of accounts open at last report----	559
Number of accounts opened during the year	58
	<hr/>
Total -----	617
Number of accounts closed during the year-	76
	<hr/>
Total number of accounts open Jan. 1, 1899	541
A loss of eighteen since last year.	

The deposits from the schools have been as follows :

Grammar School-----	\$ 47 39
Main Street Grammar No. 1-----	
Main Street Grammar No. 2-----	
C Grammar, Converse-----	2 05
A Intermediate, Converse-----	
B Intermediate, Converse-----	1 10
C Intermediate, Converse-----	7 21
A Primary, Converse-----	28 28
B Primary, Converse-----	43 08
C Primary, Converse-----	101 82



Converse Kindergarten-----	15 35
Lawrence Barnes School-----	53 60
Pomeroy Intermediate-----	16 32
Adams Intermediate-----	18 09
Pomeroy Primary-----	27 08
Adams Primary-----	30 47
Archibald Street School-----	78 92
Main Street Primary-----	
Ira Allen School-----	25 70
S. W. Thayer School-----	
Total received during the year-----	\$ 496 46
Amount received directly from pupils-----	194 54
	<hr/>
	\$ 691 00

## TEACHERS.

The educational institutions represented by our teachers, either as graduates or as partial course students, are as follows, viz. :

Yale University-----	1
The University of Vermont and State Agricultural College	10
University of Minnesota-----	1
Wellesley College-----	3
Burlington High School-----	22
Essex, Vermont, Classical Institute-----	1
Johnson, Vermont, State Normal School-----	2
New Hampton Institute-----	1
Mrs. J. H. Worcester's Seminary-----	1
Oswego, N. Y., State Normal School-----	9



---

Potsdam, N. Y., State Normal School-----	1
Willimantic, Conn., State Normal School-----	1
Brockport, N. Y., State Normal School-----	1
Salem, Mass., State Normal School-----	2
Windsor, Vermont, High School-----	1
Castleton Academy-----	1
J. S. Cilley's Academy, Williston-----	1
Roxbury, Mass., High School-----	1
Chauncy Hall (Boston) Kindergarten Training School---	1
Miss Hunter's (New York) Kindergarten Training School	1
California School of Methods (San Jose)-----	1
Miss Fisk's (Montpelier) Kindergarten Training School-	1

### SCHOOL PROPERTY.

During the past year incidental repairs were made upon the buildings generally, the most important of which were the slating repairs upon the Barnes, Converse and Adams schools.

Very soon after the year opened, it became evident that the High school building required special attention. The trouble from falling plaster, which showed itself in other parts of the building several years ago, and occasioned the sheathing with wood of the ceilings of the two lower stories, appeared in the third story. The plaster began to fall in a dangerous way, and on proceeding with the repairs it was found to be necessary to replaster nearly the entire ceiling, and some of the side walls. As this work progressed, a condition of plaster and lath—plaster not clinched and lath not nailed—was revealed, which was startling even after the danger had been passed, and we are very fortunate that no serious injuries have been received by the pupils and teachers occu-

pying the building. The stairways were also strengthened by the introduction of substantial supports. These repairs were made by Sidney T. Green and Peter Ritchie.

As the entrances to the High school, with the exception of the basement entrance, are all at the front of the building, the School Commissioners had for some time been considering the advisability of erecting a fire escape at the north end of the building. During the summer vacation, according to contract previously made, the Lang & Goodhue Manufacturing Company of this city constructed a spiral iron fire-escape connecting with each floor of the building. In case of serious fire in the building, there is now a safe means of exit and escape, and those who have been anxious about the building in this respect may now have a feeling of security which they have never before been able to enjoy. The building with these repairs, and with the fire-escape attached, is greatly improved.

### POMEROY SCHOOL.

But the most notable work in this line was that performed at the Pomeroy school. The necessity for additional room in the Pomeroy District, and the plan of relief then under consideration by the Board of School Commissioners, were set forth in the last annual school report.

Early in the season preparations were made for the enlargement of the building. As all plans for the building showed that the extension would come very near the east line of the lot, it was evidently very desirable that the land between the lot and Booth street should be secured. Accordingly the Board of School Commissioners presented a statement to the City Council showing the necessity for the pur-

chase of this land, which was approved, and the land was purchased of Loren E. Palmer. **Withdrawn 1942**

This addition to the Pomeroy school lot may be described as follows: The land bounded by a line beginning at the northeast corner of the Pomeroy school lot, thence running in the south line of North street 51 feet to the west line of Booth street, thence in the west line of Booth street southerly 232 feet, thence westerly in a line parallel with the south line of North street and at right angles to the west line of Booth street to the east line of Pomeroy school lot, thence in the east line of Pomeroy school lot to the place of beginning. Date of deed, May 6, 1898. Consideration, \$1,900.

The excavation for the addition was begun about June 1, and a vigorous prosecution of the work was entered upon immediately after the close of the schools, June 10. We hoped that the building would be ready for occupancy at the opening of the Fall term, but unavoidable delays occurred in securing some of the required material, and the schools were not able to enter the building until November 7, and the work was not entirely completed until the Christmas vacation. Until November 7 the scholars of the school were distributed as follows: The C Grammar in Main Street Grammar No. 1, the Converse, the Lawrence Barnes, the Ira Allen schools, the Intermediate girls in the W. C. T. U. Temple, the Intermediate boys and A Primary pupils in Star Hose building, and B and C Primary pupils in St. John Baptiste hall, while the Kindergarten was suspended for the time. The transformation from the old Pomeroy school to the new Pomeroy school was very satisfactorily accomplished, and reflects credit upon all who were engaged in the work. The general contractor was William Cayea; the contractor for the warming and venti-

lating apparatus was J. E. Lanou, and the contractor for the plumbing was T. A. Wheelock, while Mr. Joseph I. Fugere very capably and efficiently superintended all the work. The contractors and superintendent are all of this city.

The enlarged grounds have been suitably graded and provided with concrete walks, and the adjacent sidewalks have been concreted and curbed. The building and grounds now constitute a valuable and creditable part of the school property of the city.

Mr. W. R. B. Willcox, of this city, who designed and furnished the plans for the remodeled building, kindly contributes the following account of the changes made, with a description of the present building :

The old Pomeroy School building contained on each floor a large general assembly room with two small recitation rooms in the rear, separated from the larger rooms by glass partitions. Stairways occupied the twelve foot hall extending across the front of the building, the latter being arranged for separate entrances for the boys and girls and providing coat rooms at the same time. Increased needs of that section of the city demanded the enlargement of the building, which then measured forty-five by seventy-five feet. It seemed altogether best that the rearrangement should adapt itself to the latest requirements in school houses and provide separate class rooms for each grade. The size of the lot permitted the building of an eight roomed school house. It was desirable that these rooms be unobstructed by posts supporting the second floor, and since this floor in the old building was supported by posts in the large assembly halls, it seemed best to remove the second floor entirely and provide supports which would not interfere with the plan. The entire exterior wall

of the old building was left standing, and that of the long side between the new and the old parts formed the bearing for heavy iron beams spanning the forty-five feet across the old building and the shorter distance to the new outside wall and carrying the new second floor. This left the first floor entirely unobstructed and the second story ceiling being carried by the roof trusses left that story likewise free. Partitions were then run forming corridors at right angles to each other on the axes of the building twelve feet wide, enclosing rooms thirty feet square in the four corners of each floor. The staircases are in the corridors extending east and west, at the ends of which on the ground floor are the entrances of the building. The corridors running north and south contain the coat rooms and next to the outside walls, teachers' rooms with lavatories, book closets, etc. Stairs are continued to the third floor where there is ample space for several smaller rooms, should they be needed at any time. For the present these are not partitioned off. The interior finish throughout the building is of brown ash. The walls are all wainscotted. That there might be no question about the rooms being sufficiently lighted, the window openings in the old building were all somewhat enlarged and those in the new part built to conform to them.

While presenting some difficulties, it seemed best to deepen the cellar from seven feet in the old building to twelve, which was decided upon as a convenient depth for the newer portion and for the installation of the heating plant. This was accomplished without rebuilding the old foundation walls but by buttressing against them and carrying down to the new depth a wall four or five feet distant from the old footing. This was a much more economical way than rebuilding the

old foundation and still left ample room for the use to which the basement was to be put.

North of the stair corridors are the toilet rooms and south of it the boiler room with space for coal supply and ashes. On the south side of the building is a hatchway leading directly to the basement.

The heating of the building is accomplished by a combination of direct and indirect heat. Each room has sufficient direct heat to warm it quickly and to keep the temperature at the proper point during the coldest weather. The indirect heat is carried into each room near the ceiling, the air supply being taken from the outside of the building and warmed on the way to the class rooms, and taken out near the floor level whence it is drawn through ducts in the basement to the foot of the main ventilating stack. The current in this stack is produced by the warmth of the boiler smoke stack which it contains. Tests of this plant have given satisfactory results.

Exteriorly the design of the old building was adhered to. The roof of the new part duplicates that of the old and the two joined together are surmounted by a large cupola which tends to correct the low lines which the conditions of the building would have imposed upon it. Covered porches carried on turned columns with brick pedestals shelter the two entrances, the east of which bears in its pediment the inscription, "Pomeroy School 1874-1898."

It was estimated in the report of last year that the changes in the Pomeroy school could all be made for \$12,000.

Bids for construction, heating and plumbing were called for separately, and contracts were awarded in all cases to the lowest bidders, but it was found to be impossible to do the work for the sum estimated. Then, too, there was the usual





OLD POMEROY SCHOOL.



LIBRARY  
UNIVERSITY OF ILLINOIS  
URBANA

experience, in case of repairs upon old buildings. The conditions and requirements in some respects were very different from those anticipated, expenses became necessary which could not be foretold, and the total cost was consequently considerably greater than were at first planned for.

The excess over the estimate, when all bills are in, will be about \$5,000. But the results we believe justify all the outlay. All who have examined the building, so far as I am aware, have expressed surprise and gratification that so good, so pleasant and so well appointed a building could be produced under the circumstances.

The enlargement or some other additional provision for the scholars of the district had become a necessity, and in thus utilizing the old building, the city was saved from \$5,000 to \$10,000.

### ADAMS SCHOOL.

The success attained in remodeling the Pomeroy school furnishes encouragement that a similar change may be made with the Adams school, and thus double its capacity, and increase its general usefulness.

The school is already crowded to its discomfort and disadvantage, its heating apparatus is nearly worn out and must soon be replaced, and its other interior arrangements are seriously objectionable.

Our system of distributed Grammar schools will lack completion until the Adams district shall be provided for. When this shall have been done and the Grammar annex shall have been relieved of Grammar pupils, and be free to accommodate the ungraded day schools, our system may be regarded as approximately complete so far as arrangement of schools is

concerned, and will be in good condition for extension hereafter as circumstances may require. For these and other reasons which might be mentioned, I trust that the Adams school will soon receive proper attention.

### NEW HIGH SCHOOL.

The steps taken in the project for a new High school to January 1, 1898, were recounted in the last report of this department, and the hope was expressed that the report of this year would chronicle great progress.

It is with a degree of pleasure, which I will not attempt to express, that I can now report that the foundations of the new High school have already been laid, and that the work of construction is well under way. At the date of last report the School Commissioners had presented their statement to the City Council applying for the purchase of the Burton property, and the Committee on Schools of the Board of Aldermen had reconsidered the matter—they at first having made an adverse report—and had made a favorable report on the application of the School Commissioners.

Considerable opposition, however, to the location was developed, and matters came to a standstill without favorable action by the City Council. Opinions were greatly divided as to location, and serious and heated controversy with the usual accompaniment of ill feeling seemed imminent. At this juncture, and chiefly through the efforts of Hon. H. S. Peck, then mayor of the city, a very favorable proposition was received from Hon. George F. Edmunds for the conveyance to the city of his property on the south-east corner of Main and South Union streets, for a High school and other educational purposes.

The School Commissioners immediately prepared a new statement, which was as follows :

BURLINGTON, Vt., March 4, 1898.

*To the Honorable the City Council of Burlington, Vt.:*

GENTLEMEN :—We, the undersigned, School Commissioners of the City of Burlington, reaffirming the statements showing the necessity for a new High school building contained in previous communications made to your Honorable Body and now on file in the office of the Clerk of the City Council, respectfully represent again that the present High school building is defective in design and construction, unsuitable in arrangement, deficient in equipment, inadequate in capacity, and a menace to the health of teachers and pupils by reason of the crowded condition of the school and the unsanitary character of the building.

And we further represent that the High school property when modified and improved to meet changed uses and conditions, will be needed for school purposes.

We therefore state that an urgent necessity exists for a new High school building of sufficient capacity to accommodate the present and prospective number of pupils in the school, and with appointments and equipment adapted to improved and advanced High school training and requirements—and for ample and appropriate grounds for such a building.

We are informed that, by a generous proposition, made by Hon. George F. Edmunds, his homestead property on the southeast corner of Main and South Union streets, consisting of about four and one-half acres of land, including his residence and other buildings, with an outlet to Maple street, can, in consideration of his "deep interest in the welfare of the city," be secured for a High school site for the sum of fifteen thousand dollars, (\$15,000)—a sum much below the actual value of the property.

We therefore beg leave to withdraw the application for funds for the purchase of the Burton property, and earnestly and respectfully ask for the appropriation of the sum of fifteen thousand dollars for the purchase of the property above described, belonging to Hon. George F. Edmunds.

VOLNEY G. BARBOUR, School Commissioner, First Ward.

DONLY C. HAWLEY, School Commissioner, Second Ward.

JAMES J. CHILDS, School Commissioner, Third Ward.

CHARLES C. MILLER, School Commissioner, Fourth Ward.

HORATIO HICKOK, School Commissioner, Fifth Ward.

HENRY O. WHEELER,

Superintendent.

The City Council promptly approved this statement and provided the funds for the purchase of the property, and on the 12th day of March, 1898, Mr. and Mrs. Edmunds, by their

deed, conveyed the property to the city. Some of the conditions of the deed will be of interest. The consideration mentioned is "the sum of fifteen thousand dollars" and "the uses of public education to which the property is to be forever devoted."

The deed conveys the property to the city without the power of alienation, and subject to the conditions and provisions following: that is to say, that the whole of the said property shall be, by the said City of Burlington, and its lawful municipal governmental successors, forever devoted to, and used only for the purpose of public education, in the way of a Public High school, and, at the pleasure of the city and its said successors, a public Free Library, and Antiquarian and Historical Collections, and to uses incidental and auxiliary to the uses aforesaid. And if any part of the property above described shall be at any time hereafter devoted to or used for any other purpose or purposes than those above mentioned, then, in that case the title to and absolute ownership of said described property and every part thereof shall thereupon at once revert to the said Edmunds and his heirs and assigns, as of his former right." Thus this beautiful and valuable property, situated near the heart of the city, and easily accessible from all parts of the city, is forever devoted to the purpose of public education, and so far as that portion of it selected for a High school site is concerned, it is virtually a gift to the city.

This happy solution of the problem of location, which had become painfully difficult and embarrassing, was received with great satisfaction and delight by our people. And it is safe to say that by no other act in the remarkable career of our distinguished townsman, Mr. Edmunds, has he so endeared himself to his home friends in this city, as by this

public spirited and generous dedication of his homestead to the noble uses specified in his deed. For this he will ever be held in grateful and affectionate remembrance by the people of Burlington.

The site for the building having been secured, the School Commissioners asked for funds for its construction, and the City Council heartily responded.

It was deemed advisable not to call for a general submission of competitive preliminary sketches, but a goodly number of reputable architects were invited or allowed to present designs. Among those presented were several of great merit. After careful examination and comparison, the design furnished by Mr. W. R. B. Willcox of this city was selected, and Mr. Willcox was chosen as architect for the building. Mr. Willcox began the preparation of plans at once, and to save time, made plans for foundation and basement, without waiting for completion of plans for superstructure.

Bids were invited for excavation, foundation to grade line and for grading, and the contract for this portion of the work was awarded to the Champlain Manufacturing Company, of this city,—that company being the lowest bidder. When the plans for the superstructure were completed, bids were called for, and Messrs. Prescott, Buckley & Callanan, of Keeseville, N. Y., were found to be the lowest bidders complying with the prescribed conditions, and the contract for the construction of the building was awarded to them. They took up the work where the Champlain Manufacturing Company left it, and prosecuted it as rapidly as circumstances would permit, carrying the walls somewhat above the first floor, the timber and lining of which were laid, before they were stopped by winter weather.



They have accumulated a large amount of material and stored it upon the grounds so that they will be ready for resumption of work as soon as the weather will permit in the spring.

Thus far, Mr. John W. Coffey of this city, an experienced and competent man, has superintended the work for the Board of School Commissioners, and the work of both contracting firms has been very satisfactorily performed. We believe that the building will be admirably adapted to its purposes, and will be a credit to the city. By the terms of the contract, it is to be completed by September 1, 1899. A particular description of the building will not be attempted at this time, but will be reserved for the next annual report, when its completion and occupancy can be recorded.

### HIGH SCHOOL PRINCIPALSHIP.

During the year an important change occurred in the High school corps of teachers. At the close of the winter term, Mr. S. W. Landon, who for nearly sixteen years had been at the head of the school, obtained leave of absence for an indefinite period, hoping that relief and change would be beneficial to his health which for some time had been impaired. Failing to receive promptly the help which his condition demanded, Mr. Landon sent the following communication to the School Board:

ORANGE, N. J., April 12, 1898.

*H. O. Wheeler, Esq., Supt. of Schools :*

DEAR SIR :—In accordance with our understanding that I should make known to you as early as possible my wishes and intentions as to returning to my former position in the Burlington High school, I write to say that, acting upon the advice of my physicians, I have decided to change for a time my employment and withdraw from school work. In thus severing my connection with the school, I cannot refrain from expressing to you and to the Board of School



Commissioners my heartfelt and grateful appreciation of the cordial and generous support that has always been accorded me in my work and which has made the experience of my sixteen years of service with you exceedingly pleasant and satisfactory to me.

Let me congratulate you upon the bright outlook for the High school under conditions that will make easily possible a development and standard which for various reasons have not yet been attainable.

Very truly yours,

S. W. LANDON.

Subsequently, the Board of School Commissioners accepted Mr. Landon's resignation, and adopted the following resolutions :

WHEREAS, Mr. S. W. Landon, after nearly sixteen years of service in the position of principal of the Burlington High school, has retired from the position, therefore

*Resolved*, That we record our recognition of Mr. Landon's long and eminently successful discharge of the duties pertaining to the principalship of our High school; that we express our appreciation of his scholarship, of his great ability as a teacher, and of his rare faculty for managing the affairs of a large school; and that we gratefully acknowledge that to him are due, in large measure, the present high standing of the school and the superior training which its pupils have enjoyed during his connection with it.

*Resolved*, That we deeply regret that in his judgment it becomes necessary for the restoration of his health to withdraw from our schools, and that our best wishes will follow him into whatever employment and whatever field he may enter.

Miss Effie Moore, the first assistant, was placed in charge of the school, and discharged the difficult duties of the position with tact and ability. Miss Mabel Hawes consented to return to the school for the time, and took a part of Mr. Landon's classes, and Mr. George M. Hogan was secured to take the rest, and to give particular attention to the rhetorical work for which he was admirably fitted. All of the teachers of the school are entitled to great credit for the successful and satisfactory conduct of the school during the term.

It would be difficult to speak in too high praise of Mr. Landon's work during his long incumbency of the principal-

ship of the school. During that period the course of study was greatly strengthened, the standard of the school was raised, the number of pupils increased from about 100 to about 300, the reputation of the school became second to none of the same grade in the state, and Mr. Landon easily occupied the foremost place among the teachers of secondary schools in the State.

In some respects this state of things made the position of his successor difficult, for Mr. Landon's hold upon the school and the community was very strong, but on the other hand, the place was made easy by the excellent condition of the school.

After very careful consideration of many applications, Mr. Isaac Thomas, of New Haven, Conn., was appointed to succeed Mr. Landon. Mr. Thomas clearly possesses superior qualifications for the position. He is a graduate of Yale University, where he maintained high rank as a student, and since graduation, he has pursued post-graduate studies at the same institution. He has had a varied and successful experience in teaching, having held for several years the principalship of a much larger High school than ours. And, added to these great advantages of training and experience, Mr. Thomas possesses a character which commands respect and confidence, and a bearing which wins the good will and interest of those whom he meets. From the opening exercises of Mr. Thomas' first day to the present time, his management of the school has been successful.

There have been a few changes in the course of study, the most noteworthy of which is the systematic strengthening of the work in English in all the classes. When the school enters the new building there will undoubtedly be other

changes in the course of study, and in the details of management, but these cannot be announced at this time.

### DRAWING AND MUSIC.

The work in drawing and music has been well conducted during the year, under the capable direction of Miss Herrick and Mr. Humphrey respectively. There has been manifest progress in both subjects. For particulars in respect to work done and to recommendations, you are referred to the reports of the special teachers in these departments which will be found in the appendix.

### GENERAL CONDITION.

The general work of the schools has been prosecuted the past year in very much the same way as during the few preceding years. With but few changes in the corps of teachers, and with substantially the same course of study, the schools have moved steadily forward with the constant effort to avoid tread-mill methods, to keep out of ruts, and to advance the standard in all respects all along the line.

There have been very few cases of serious discipline which have been brought to the attention of the Superintendent and School Board. The teachers as a rule are able to manage and control their schools without appeal to other authority. The change in this respect during the past few years has been great, and as gratifying as great.

### KINDERGARTENS.

It is very gratifying to observe an awakening and increasing interest in Kindergartens. Intelligent students of educational and social problems are turning their attention to

the Kindergarten as one of the most efficient instrumentalities for giving right direction to child-life, and so, right direction to mature life. The spirit and methods of the Kindergarten are essentially helpful and elevating. The good influences reach directly the children, and indirectly the homes, and finally the community.

There is no doubt but that the condition of this city would be greatly improved by the opening of several additional kindergartens. There are several localities where they would be especially useful, and a better investment for the permanent advancement of some of the most important interests of the city could not be made than by the establishment of a sufficient number of kindergartens to cover the city.

### DEATH OF HORATIO HICKOK.

We are again called to chronicle the death of a member of the School Board—that of Mr. Horatio Hickok, the member from the Fifth Ward. Mr. Hickok had been a member of the Board about one year, and during that time so long as his health permitted he was actively and heartily interested in all the affairs of the department. He took especial interest in the project for a new High school. Mr. Hickok's death occurred April 2, 1898.

The following resolutions were adopted by the Board of School Commissioners:

WHEREAS, Mr. Horatio Hickok, a member of this Board from the Fifth Ward, has been taken from us by death, therefore

*Resolved*, That we, his associates of the Board of School Commissioners, bear testimony to the intelligent and hearty interest, and to the ability with which he discharged his duties while a member of this Board.

Scholarly in his tastes and acquirements, with large experience in business affairs, keenly alive to the best interests of the city, independent in his judgment, frank and outspoken in the expression of

his opinions, public spirited and honorable, he was one of our best citizens and one of the most valuable city officials.

*Resolved*, That we deeply regret his loss, and that we tender to his family assurance of our sincere interest and sympathy.

In conclusion, I wish to express my hearty thanks to the teachers for their faithful and efficient labors, to the School Commissioners for their continued kindness, to the members of the City Council for their assistance to, and their co-operation with the Board of School Commissioners, and to the people generally for their cordial support of the public schools.

Respectfully submitted,

HENRY O. WHEELER,  
Superintendent.

January, 1899.

## APPENDIX.

---

### REPORT OF SUPERVISOR OF MUSIC.

BURLINGTON, Vt., January, 1899.

*H. O. Wheeler, Superintendent :*

I have now entered upon my sixth year as Supervisor of Music in the Public Schools of Burlington, and in offering a very brief report, I desire as emphatically as possible to reiterate the statement contained in my report of 1896, viz.: that in order to obtain satisfactory results throughout the city, every class must have its own separate drill, every day.

Our classes are graded with this in view, and the larger proportion of them receive it, and profit accordingly. But a few classes whose teachers do not feel equal to the work of drilling the pupils in two and three part singing, and who consequently receive only the one lesson per week which I am able to give them, make but a poor showing of progress in comparison with the other classes. This causes us to encounter constantly in the upper grades pupils who are not up in the work, and of whom it is impossible to require the work belonging to the grade they are in. I regret to say that this imperfection in our facilities for carrying on our work does not seem to be growing less apparent.

I would respectfully urge that, so far as possible, the Board strive when selecting new teachers, and particularly special assistants for the larger buildings, to secure those who can, and are willing to take up music drill in one, two or three parts. In the schools where the daily drill is faithfully followed up the results are, I am sure, as pleasing as those pertaining to any other study. The general quality of music work done has improved each year, and the degree of uniformity attained by different classes of the same grade is gratifying. A special advanced class for chorus work has been organized in the High school, and judging from one rehearsal, promises to be a decided success. We hope to have it ready to sing at the dedication of the new High school building.

Respectfully submitted,  
J. H. HUMPHREY.

---

### REPORT OF THE SUPERVISOR OF DRAWING.

BURLINGTON, Vt., January, 1899.

*H. O. Wheeler, Superintendent :*

Looking back over the work enables us to see it in true perspective. For one thing we feel the great need of art training in the public schools



with deeper conviction than ever before, and while hesitating in its guidance as we realize the responsibility it involves, yet as "workers together" we take courage and look forward to the future,

Believing, as we do, in the value of symmetrical and broad training, we hold that every child has something of the creative faculty which should not be disregarded when laying out his daily work. There is no life but is the richer for the education of the eyes and hands. The drawing course and the science work afford almost the only educational methods of training the eyes, and what life is not made richer and more able when their eyes can see with accuracy and appreciation? But not only from the standpoint of the individual, but also from the standpoint of the community does the public demand Art Education. We are beginning to demand the best in architecture, manufactures, and the arts. From the mercenary standpoint, the nation demands a higher standard in art expression and creative skill, and since our whole national government is founded upon public education, whatever we hope to secure in our citizenship must be incorporated in our system of public education.

At the beginning of January, 1898, drawing outlines were printed and issued to the teachers of grades from the first to the seventh. These outlines were uniform throughout the city for corresponding classes, and covered the work of the winter term. Some of the topics included in the primary outlines were from study, making, free-cutting, nature study, correlated with drawing, color, picture study, and arrangement. The primary children have worked with great heartiness and enjoyment. It is interesting to see a primary class almost breathless, so hard do they try to draw with paint and brush a pleasing picture for mounting or to "carry home to mama." As one little boy said, "I think and think and make a mark around the think." We are often tempted to tell the children to rest a bit, so earnestly do they strive to think, and then to show the result of their thought to us. Some bright ideas for free-cutting work that have been carried out are, "A Thanksgiving Baking," "How Santa Claus looked and what he brought us Xmas" and "A Snow Storm." In Illustrative Drawing, "The Village Blacksmith," "The House that Jack built," and "Little Red Riding Hood," were favorites.

Historic days are always noted in the drawing work of the lower grades. St. Patrick's day, St. Valentine's day, and Washington's Birthday were marked by appropriate drawing exercises.

In pictorial drawing, familiar objects, such as mittens, shoes, dolls, a cradle, toy house, etc., have been used as models. Sometimes a very well-behaved dog or a cat give us a pleasing change of subject for a drawing lesson. The children have occasionally chosen some one from the class to pose for a picture and the results are realistic and full of life, as children's drawings often are.

In Nature Study the children made many beautiful drawings in color and in pencil. In this work we tried to study flowers and plants not from the "bookkeeping" standpoint of plant records. We aimed rather to first see and feel the beauty of plant life, then to study a pleasing rendering of our thought with pencil or with brush. I am sure those who have seen the work of the children will acknowledge that they see much of beauty that is hidden to wiser(?) eyes.

Plant Studies of hepaticas, asters, the closed blue gentian, fruits, vege-



tables, brightly colored thorn apple seeds, barberries, and autumn leaves are among the files of the year's work.

Friends of the schools have sometimes sent us models or material for drawing. Many of the teachers do more than their duty in trying to provide us with interesting subjects for lessons. We are trying to secure a collection of artistic objects for the drawing work.

On the last Saturday of January, 1898, the monthly teachers' meeting was devoted in part to the subject of drawing. Work from the different schools was shown and this was viewed by some friends and parents who were interested. The following account of the exhibit was published in one of the city dailies:

"To the lovers of art there is nothing more interesting than to watch the progress of young students. A rare opportunity to witness what youngsters can do was offered Saturday by the exhibition of the work of the young drawing classes of our public schools at the Converse building. Specimens of work, from the youngest grades up, were exhibited, and were viewed by many parents and others interested. What is noticed in particular is that the good drawing is general, not being confined to a few pupils. The best teacher is the one who gets the best results from all her scholars, and all our teachers seem imbued with that faculty. Occasionally some scholar shows marked evidence of talent, and his inclinations are fostered by the teachers. Not only do the pupils draw in white and black, but they make water colors, sketches, etc., from models, and sometimes they are original conceptions."

The drawing course for the intermediate grades is more systematically divided than for the primary classes. Pictorial drawing, decoration, and elementary working drawings form the three divisions for study.

By pictorial drawing of type-solids and common objects of approximate form, we have aimed to give the children power to draw freely and effectively. The pupils have been encouraged to draw readily objects illustrating principles of representation such as convergence and the effect of change of level as affecting the appearance of objects.

In Decoration, we have tried to make the work practical. The children have designed and colored covers in which written papers might be preserved for reference. Textile designs, decorations for table china, and initials have been sketched in pencil and in color.

As an oral exercise, the pupils seemed to enjoy planning for the furnishing of different rooms. The days of coal hods ornamented with varnished pictures are past and gone, and soon the mantel ornaments of woolen rabbits and other zoological specimens will follow.

We have made a beginning in the third department of drawing, or construction. We have made working drawings of simple objects, and we know something of the free-hand sketch preparatory to the real mechanical drawing. When construction goes hand-in-hand with actual making and the working drawing has as its end and aim the fashioning of something beautiful and complete in form which shall be fitly decorated as to surface and color, then will working drawing have beauty and meaning for every pupil.

During the spring term the intermediate classes took delight in collecting and drawing the spring flowers. The children showed careful regard for truthful and picturesque rendering, and oftentimes much feeling for color was shown in their water-color and crayon drawings.

On closing my review of intermediate work, perhaps I may be pardoned for quoting a few lines from a child's composition, as it shows how the children appreciate gifts in the way of school-room decoration. The quotation is as follows: "We have got a new picture in our room which is very interesting. It is a picture of the Coliseum. This was a large building erected by the Romans. . . . It had no roof, but was covered with a painted canvas to keep off the rays of the burning Italian sun. The people sat on seats like there are in the circus. The whole place was decorated up with gold, ivory, and amber."

If gifts of fine pictures are so much treasured, and if they are so thoroughly studied, it would seem that friends of the schools have every incentive to keep on in the good work of school-room decoration.

The description of the Intermediate work will apply almost without exception to that of the C Grammar classes.

A marked change, however, characterizes other Grammar classes. Here we introduce mechanical drawing and selected studies from the History of Art. Since the teachers appointed to these grades have the entire charge of these two departments of drawing, I can speak with unreserved commendation of the work in mechanical drawing as given by them.

The classes are enjoying a thorough and accurate course of instruction, which although elementary, is a sure foundation for a later continuance of the work. Supt. Gilbert, of Newark, N. J., says, "He who puts his thoughts into stone or into canvas is as useful to the world as the poet or author. The reality of manual work appeals to a boy's interest and gives that needed stimulus of which the old methods have so little to offer. It enables the pupil to appreciate the value of effort in every line, and tends to break down class prejudices.

Although spoken of manual training in the shop-work sense, yet we think these words also apply to the handling of drawing instruments and the making of practical working drawings.

As to the exercises from the History of Art, I can also say that I have witnessed some excellent teaching in that subject. The children were taught to study from numerous illustrations of interesting features of architecture and its details as found in the ancient Greek and Egyptian styles. The lessons were conversational and enjoyable, and they were supplemented by the drawing of architectural details from some of Burlington's finest buildings.

My own time in these same grades has been given to the teaching of free-hand drawing and it has been far from satisfactory to myself. In some classes I have a time allowance of only twenty-five minutes. With from seventy-five to one hundred pupils in the divisions, very little individual attention can be given. One familiar with the school rooms will understand that the suitable placing of objects drawn is a difficult problem in the High school building. Notwithstanding these disadvantages, many of the pupils do retain their interest in art work and come to me for further instruction in the High school and in private lessons.

During the winter and spring terms of 1898, the High School Normal class studied in the careful and studious way characteristic of all of Mr. Landon's classes as I have known them, and some of the graduates of this class are doing strong work as teachers of drawing in the public schools of the city, which shows the wisdom of giving them this opportunity.

As our School Board kindly granted me a leave of absence for the three months beginning with October, this report does not cover the work of the fall term of 1898. The classes began in September with earnest effort. Very full outlines were printed for the lower grades. The files of work which have been shown me by some of the teachers would indicate that much faithful and highly successful work had been done by them as well as by their pupils.

A strong expression of my own heartfelt and determined interest in Art Education is happily expressed by William Morris, whom many will recognize as the artist who revived art tapestries in England.

Mr. Morris writes, "What I want to put definitely before you is a cause for which to strive. That cause is the democracy of art, the ennobling of daily and common work, which will one day put hope and pleasure in the place of fear and pain as the forces which move men to labor and keep the world a-going."

I thank the teachers and pupils for the warm welcome I receive as I visit their school-rooms, and hearty co-operation in the drawing work.

I also wish to express gratitude to the School Board for all the consideration shown me, and especially for the leave of absence I so much enjoyed.

Very respectfully submitted,

ELLA KENDRICK HERRICK.

## AMENDMENTS TO THE CITY CHARTER AFFECT- ING THE SCHOOL DEPARTMENT.

---

At the last session of the General Assembly of the State, several sections of the City Charter relating to the School Department were amended. The original sections and the amended sections are given below :

### ORIGINAL SECTIONS.

SEC. 135. The Board of School Commissioners in said city shall be composed of the Superintendent of Schools, who shall be ex-officio a member of said board and the President thereof, and five other school commissioners, one for each ward, who shall be elected as herein provided.

SEC. 139. Said School Commissioners shall be sworn by the mayor to the faithful discharge of their duties ; shall hold meetings as often as necessary ; appoint a clerk who shall keep a record of all their proceedings in books provided for that purpose ; and a majority of their number shall constitute a quorum for the transaction of business.

SEC. 145. The City Treasurer shall keep a separate account of all moneys appropriated for the use of schools, which money shall consist of the income of the United States deposit fund, and of the town school fund ; the income of any money or other property donated by any person to said city for the use of schools ; and all money appropriated by the City Council for that purpose ; and the City Treasurer shall pay out of any moneys mentioned in this section all warrants drawn by the Board of School Commissioners for the use of schools.

### AMENDED SECTIONS.

SEC. 21. Section 135 of said act is hereby so amended as to read as follows :

The Board of School Commissioners of said city shall be composed of five School Commissioners, one from each ward, who shall be elected as herein provided, and who shall receive such compensation as shall be provided by the City Council.

SEC. 22. Section 139 of said act is hereby so amended as to read as follows :

Said School Commissioners shall be sworn to the faithful performance of their duties, shall appoint one of their own members president, and shall also appoint a clerk who shall keep a record of their proceedings in a book provided for that purpose.

They shall by general regulations provide for the holding of regular meetings. The clerk shall call special meetings whenever a majority of the commissioners concur in requesting him so to do.

SEC. 23. Section 145 of said act is hereby so amended as to read as follows :

The City Treasurer shall keep a separate account of all moneys appropriated for the use of schools, which money shall consist of the income accruing in every legal way for the use and maintenance of schools in said city, and of all money appropriated by the City Council for that purpose ; and the City Treasurer shall pay out of any moneys mentioned in this section all warrants drawn by the Board of School Commissioners for the use of schools.

Approved November 29, 1898.

# FLETCHER FREE LIBRARY.

---

Founded in 1873, by Mrs. Mary L. Fletcher and Miss  
Mary M. Fletcher.

---

## OFFICERS.

---

TRUSTEES OF THE LIBRARY,

ELLIOT M. SUTTON, *ex-officio*,  
E. J. PHELPS,  
M. H. BUCKHAM,  
SAMUEL HUNTINGTON,  
J. ISHAM BLISS.

TRUSTEES OF THE FLETCHER FUND,

T. E. WALES,  
EDWARD WELLS,  
JOEL H. GATES.

LIBRARIAN,

SARAH C. HAGAR.

ASSISTANT,

LIZZIE R. MOORE.

MESSENGER,

GEORGE HENDERSON.

COMMITTEE ON LIBRARY AFFAIRS,

Alderman JOHN R. KELLEY,

“ E. S. ADSIT,

“ JOHN W. JOHNSON.



## TWENTY-FIFTH ANNUAL REPORT OF THE FLETCHER FREE LIBRARY.

---

### REPORT OF THE TRUSTEES.

BURLINGTON, VT., January 1, 1899.

*To the City Council of Burlington:*

GENTLEMEN:—Herewith are submitted the Reports of the Librarian and Treasurer of the Fletcher Free Library for the year 1898.

A very grave question of duty presents itself to the Trustees of the Library—is in fact always before them—the question, namely, what, in discharge of their trust, they ought to do with the collection of books now under their care, and with the funds at their disposal for the purchase of new books. A considerable portion of the books now in possession of the library are lost to use for lack of room in which to store and handle them; many valuable works are undergoing slow but steady destruction from heat and lack of proper ventilation. To purchase new books is, after the short time in which they figure as accessions, to condemn them to some obscure corner or back tier or store-room when they are heard of no more. For instance, two most interesting collections recently purchased, complete sets of the London Punch and the London Illustrated News, publications which are treasures of art, history and life during the last half-century, and which would be in constant demand if they were accessible, remain unpacked in the boxes in which they were imported for lack of room in which to shelve and use them. And besides all this, the library-room, its appointments and general aspect are discreditable, not to say disgraceful, to the City of Burlington. We never think of taking strangers to see our public library.



We should not enjoy either their disdainful comments, or their significant silence, as we should escort them up those stairs and usher them into that room—which we will not further characterize.

The trustees could be quite patient over this state of things—as they have long been—if they could see any probability of relief in the near future. But it is as plain to us as to all other citizens, that in view of the very heavy expenditure incurred for the High school building, it would be useless to ask the city to undertake the erection of a suitable and creditable building for the library, at the present time, and perhaps not for some time to come. In these circumstances, as we have said above, the trustees are in great perplexity as to what is their duty. Among the plans which they have seriously considered is, first, that of resigning their trust and ceasing to be any longer participants in a condition of things so discreditable to all concerned in it; secondly, to close the library and force the city to find some way of fulfilling its agreement to provide suitable accommodations for the collection; thirdly, to box up the largest and most valuable part of the library and store it in a place of safety and wait for future developments. But as the civic pride, which we share with all our citizens, makes us reluctant to adopt any one of these extreme measures, there seems to be nothing left for us but to keep up the appeal which we have made for many years past; to cry aloud and spare not, to compel our citizens to share the chagrin and annoyance and vexation which we continually suffer, in the hope that sooner or later, either by private benevolence or by public burden distributed over many years, our highly valuable Fletcher collection may be placed in a building worthy of it and our city.

For the Trustees, M. H. BUCKHAM, President.

# The Fletcher Free Library.

---

## REPORT OF LIBRARIAN.

---

BURLINGTON, Vt., January 1, 1899.

*To the Trustees of the Fletcher Free Library :*

GENTLEMEN :—In conformity with the rules of the Library I respectfully submit the report of the librarian on the condition and working of the library for the year ending December 31st, 1898, being the twenty-fifth annual report since the organization of the library, and the fourteenth I have had the privilege of laying before the trustees.

The statistics of library circulation, gifts, expenses etc., are given in the usual appendices, and attention is called in this report to the more important items.

We have now on our accession catalogue 25,350 numbers, an increase of 630 volumes during the year. Of these 97 were added from binding periodicals, 29 of which were gifts—31 were gifts of volumes—88 were bought to replace books worn out, and 414 were new volumes. Many books, gifts, etc., are not entered in this catalogue as there is no room for them on the shelves—a list is kept of them, and they are stored in rooms on the lower floor.

There were 698 cards issued to new applicants for the privilege of borrowing books from the library, 80 less than last year. Again, as each year since 1889, the cards cancelled because the owners were no longer here, have exceeded the number issued to new applicants.

The number of books given out for home use was 52,456, 935 less than in 1897. Only in the last two years, 1896 and 1897, has the circulation been as large as this year. The largest number given out in one day was on Saturday, February 19th, when 411 books were loaned. The smallest circulation was 55 on May 30th. Of the books circulated, 38,511 were classed as fiction and books for the young, a larger proportion than usual, probably because more children now make use of the library on account of a change in the rules which limit the age at which books may be obtained. No account is kept of the volumes read or used for reference in the library, but this has rapidly increased. Often during the day and always in the evening, every seat at the desks is occupied. Many are reading only for amusement, but some are always consulting books of reference and are engaged in serious study.

About 900 books were given out by the teachers for use during the school term. Of these 126 were circulated, at the Main Street Grammar school, 450 at the Intermediate schools, 281 at three of the Primary schools and the remainder at the other Grammar schools. This does not include the large number of volumes borrowed by both teachers and scholars for short periods, nor reference books consulted in connection with their studies.

The number of books distributed among the schools was less than in 1897, doubtless owing to the extensive alterations in one of the school buildings, which compelled the removal of the scholars into temporary and smaller quarters, where the room was too limited for the convenient use and circulation of the books.

It was necessary to send 674 volumes to the bindery. Of

these, 97 were new periodicals, but the greater number were old books to be rebound. As the older and the more popular books wear out with much use and some careless handling, they have to be rebound or replaced.

Among the more important books purchased during the year are the latest editions of the following: International Cyclopædia, 15 volumes; Chambers' Cyclopædia, 9 volumes; also Von Sybel's Founding of the German Empire, 7 volumes; Traill's Social England, 6 volumes; Crutwell's Literary History of Early Christianity, 2 volumes; Bodley's France, 2 volumes; Webb's Industrial Democracy, 2 volumes; Colquhoun's China in Transformation, and McCarthy's Life of Gladstone. I can add perhaps one novel of importance, Helbeck of Bannisdale, by Mrs. Humphrey Ward. Besides the usual valuable government publications and those from the Smithsonian Institute, interesting reports from the New York State Botanist and the State Historian have been given to the library, also a Memoir of Robert C. Winthrop from R. C. Winthrop, Jr.; Aspects of the Old Testament and The Anglican Reformation, gifts from Rt. Rev. A. C. A. Hall, Bishop of Vermont. The publishers of the local papers continue to give their daily and weekly issues and are always ready to give place in their columns to lists of new books or any item relating to the library. Other friends of the library have given the usual number of books and periodicals, a list of them is printed in an appendix to this report.

The trustees of this library try to keep the additions to our collection of books up to the high standard maintained from the beginning of the library. They endeavor to meet the wants of the general reader, and at the same time not to neglect some purchases in the special lines of scholars and

investigators. We have often been able to be of service to the professors and students of the university, as well as to the other educational institutions of the city.

As usual we make an appeal for more shelf room. Valuable sets of books remain unpacked or laid in piles in a basement room for want of any place whatever to bestow them in the library room. Our available shelves are all more than filled. Rows of books stand on the floor or in the window-seats exposed to dust and injury. During the twenty-six years that the present library building has been occupied, there has always been a hope that it was only a temporary shelter. Probably for this reason the city authorities do not wish to incur any expense for even the most necessary accommodation. But the natural growth of the library has long exceeded the capacity of the shelves.

The reading room, reference room, loan desk for the circulation of books, all are in one common library hall. In the same place all the writing, receiving books from the book-seller or binder, mending, cleaning, pasting, all the routine work of the library has to be done amid a confused coming and going. The reading table is often crowded with boys, so that those wishing to consult reference books or study must be annoyed by the noise and confusion.

Many libraries are trying to improve the character of their circulation by allowing two books on a card, only one of which can belong to the department of fiction. Others give two cards of different colors to any one who wishes, one of which can never be used for novels or stories, on the other either fiction or more serious books can be taken. All the librarians who have tried either of these plans say that "a manifest improvement took place at once in the character of the circula-

tion. The higher grade of books were retained longer for careful reading, the change was a complete success, and increased greatly the influence of the library. There was no trouble or confusion in putting the plan in practice. No library that gives it a fair trial will go back to the plan of 'one card one book.' "

Respectfully submitted,

SARAH C. HAGAR, Librarian.

## REPORT OF TREASURER.

### FLETCHER FREE LIBRARY IN ACCOUNT WITH S. HUNTINGTON, TREASURER.

1898.	Amount Cash on hand-----	\$ 3,248 60
January 1.	Semi-annual interest due Jan. 1. '98	315 00
July 4.	Semi-annual interest due July 1, '98	315 00
Dec. 19.	Dog tax on grand list 1898-----	451 50
1899.		
January 4.	Semi-annual interest due Jan. 1, '99	315 00
	Books lost and paid for-----	3 00
	Fines for 1898-----	140 00
	Interest account-----	205 06
		<hr/>
		\$4,973 16

### CONTRA.

Cash to new account----	\$ 3,814 23
Paid for books and periodicals -----	1,134 44
Paid freight from London	24 49
	<hr/>
	\$ 4,973 16

Attest:

S. HUNTINGTON, Treasurer.



## APPENDIX A.

## LIBRARY EXPENSES.

Salaries, Miss Hagar-----	\$	800 00
Miss Moore-----		500 00
Messenger-----		144 00
Binding-----		309 95
Coal and wood-----		136 25
Gas-----		90 30
Printing, cards, etc-----		74 85
Printing report-----		11 00
Postage-----		12 00
Water-----		7 50
Cleaning-----		73 00
Awnings-----		6 50
Repairs, etc-----		8 15
Total-----	\$	2,173 50

## APPENDIX B.

*Circulation for 1898.*

	Fiction and Juveniles.	Total.
January-----	3,574-----	5,161
February-----	3,783-----	5,369
March-----	3,762-----	4,982
April-----	3,165-----	4,391
May-----	2,663-----	3,793
June-----	2,741-----	3,463
July-----	2,893-----	3,605
August-----	2,907-----	3,821
September-----	2,583-----	3,661



---

October -----	3,405-----	4,715
November -----	3,778-----	5,215
December-----	3,257-----	4,280
	<hr/>	
	38,511	52,456

---

## APPENDIX C.

*Circulation from 1875.*

	Fiction and Juveniles.	Total.
1875 (open 131 days)-----		15,538
1876-----		35,448
1877-----	30,471-----	38,458
1878-----	25,186-----	35,238
1879-----	21,809-----	33,077
1880-----	19,579-----	29,432
1881-----	19,212-----	28,262
1882-----	18,308-----	26,438
1883-----	17,092-----	25,576
1884-----	15,027-----	20,173
1885-----	20,489-----	29,475
1886-----	27,337-----	37,753
1887-----	26,917-----	37,933
1888-----	28,701-----	41,948
1889-----	29,032-----	43,464
1890-----	30,303-----	45,828
1891-----	30,983-----	46,387
1892-----	31,599-----	47,203
1893-----	27,621-----	42,184
1894-----	28,740-----	43,942
1895-----	33,082-----	48,762
1896-----	36,363-----	52,829

---

1897 -----	37,198-----	53,391
1898 -----	38,511-----	52,456

---

## APPENDIX D.

GIFTS FOR 1898.

	Vols.	Pam.	Nos.
Adams Mission-----		1	
Allen, C. E.-----	2		
American Arbitration Conference-----	1		
American Museum of Natural History		3	
Amherst College-----		1	
Anonymous -----	1	3	
Barnes, W. A.-----	1		
Bell, A. G.-----		1	
Bernhardt, Prof. W. -----	1		
Boston Transcript, daily-----			
Brownell, Miss S.-----		1	
Brown University-----		2	
Buckham, M. H., D. D.-----			13
Burlington Earth, weekly-----			
"    Free Press, daily and weekly			
"    News, daily-----			
California University-----		1	
Channing, W., Boston-----		3	
Chase, W. G.-----		1	
Clarke, A., Boston-----		1	
Clayes, Mrs. S.-----	1		
Currier, C. G., New York-----		1	
Dartmouth College-----		2	
Dodge, T. H., Worcester-----	1		

	Vol.	Pam.	Nos.
Eldridge, J. W.-----	1		
Gallaher, Jas. E.-----	1	1	
Gallinger, J. H.-----		1	
Girard College-----	1		
Goodrich, Prof. J. E.-----		1	
Green, S. S.-----		1	
Greenleaf, W. F.-----	1	7	
Hagar, Mrs. G. I.-----	2	1	54
Hagar, M. E.-----	10	9	22
Hagar, M. L.-----		5	
Hall, Rt. Rev. A. C. A.-----	2	1	
Hanna, H. H.-----	1		
Harvard University-----		2	
Hastings, H., Albany-----	1		
Hazelton, S.-----		3	1
Henderson, Mrs. E.-----	3		
Howard, Gen. O. O.-----		40	12
Hunt, L. B.-----		1	
Indian Rights Association-----		3	
Interstate Commerce Commission-----	1		
Kikewich, G. W., London-----		1	
Kimball, R. J., New York-----	1		
Land of Sunshine-----			12
Libraries, Baltimore, Enoch Pratt-----		1	
Boston Public-----		2	
Bowdoin College-----		2	
Brookline -----		4	
Brooklyn-----		2	
Butte -----		3	
Cambridge -----		1	

---

	Vol.	Pam.	Nos.
Chicago, Armour Institute—		1	
John Crerar-----		1	
Newberry -----		2	
Public -----		1	
Cincinnati-----		1	
Clapham -----		2	
Concord, Mass.-----		1	
Concord, N. H.-----		1	
Congressional-----		1	
Dedham-----		1	
Dayton-----		1	
Denver-----		1	
Detroit-----		1	
Dover-----		1	
Dundee -----		1	
Hamilton-----		1	
Hartford -----		8	
Helena-----		2	
Hoboken -----		2	
Hopedale-----		1	
Iowa Masonic-----		4	
Jersey City-----		6	
Lawrence -----		5	
Lynn -----		1	
Manchester -----		1	
Marlborough -----		1	
Michigan University-----		1	
Milwaukee -----		1	
Minneapolis -----		4	
Nashua -----		1	

	Vols.	Pam.	Nos.
Newark -----		1	
New Bedford -----		1	
New Haven -----		11	
Newton -----		1	
New York Aguilar -----		1	
Free -----		1	
Mechanics and			
Tradesmen -----		1	
State Library ----	7	16	
North Adams -----		1	
Northampton Public -----		1	
Forbes -----		1	
Omaha -----		3	
Paterson -----		1	
Philadelphia -----		2	
Plymouth, England -----		1	
Poughkeepsie -----		1	
Providence -----		1	
Rutland -----		1	
St. Louis, Free -----		2	
Mercantile -----		2	
St. Martin's in the Fields,			
London -----		1	
Salem -----		3	
San Francisco -----		12	
Scranton -----		1	
Southbridge -----		1	
Stirling and Glasgow -----		1	
Toronto -----		2	
Warren Co., Illinois -----		1	

	Vols.	Pam.	Nos.
Warwick -----		1	
Waterbury, Bronson -----		1	
West Ham, England -----		1	
Wilmington Institute -----		3	
Wilkesbarre -----		12	
Woburn -----		1	
Worcester -----		2	
Leipziger, H. M. -----		1	
Michigan Trust Co. -----	1		
Miner, Mrs. C. E. -----			12
Morrill, Hon. J. A. -----	13	55	
Mount Holyoke -----		1	
Murphy, T. S. -----		1	
Olmstead, D. H. -----	1		
Perkins, Prof. G. H. -----	1		
Phelps, E. J. -----		1	
Pratt, T. S. and C. S. -----	1		
Roberts. R. -----		7	
Rowe, D. A. -----	1		
Russell, J. -----		10	
Sadler, R., England -----	4		
Smith, G. D. -----			52
Schurman, Pres. Cornell -----	1		
Smithsonian Institute -----	4	5	
Stockwell, T. B., Rhode Island -----	1		
Stewart, J. F., Chicago -----		1	
Taft, E. B. -----			52
Tennessee University -----		1	8
Tonge, T. -----	1		
Towle Manufacturing Co. -----	1		

---

	Vols.	Pam.	Nos.
United States Civil Service-----	1		
Education Bureau-----	2	1	
Labor Bureau-----	1	8	
State Department-----		18	
Supt. of Documents-----	131	121	
War Office-----	2		
University Cynic-----			10
University of Vermont-----		2	
Vermont State Library-----	6	2	
Van Patten, W. J.-----	1		
Venezuela Legation-----		1	
Wells College -----		1	
Wells, Miss M. E., engravings-----			30
Wheeler, Rev. H. L.-----	5		
Woodworth, Mrs. F.-----	12		
Wires, Miss Sarah D.-----	1		



---

REPORT  
OF THE  
HEALTH OFFICER.

---

*To the Honorable, the City Council :*

GENTLEMEN :—While past experience has greatly assisted in the practical application of the principles of sanitary science, municipalities have much yet to learn and to do. Cleanliness has been called “the keystone which binds the arch of good health,” hence the command to all communities “be clean, keep clean,” and good health is the result. Filth produces filth as vice begets vice. Sanitary laws promote cleanliness and therefore healthfulness. The majority of our citizens, I am glad to say, recognize this truth, and are endeavoring to carry it into effect. A few only are disposed to overlook or conceal those things which tend to foster the germs of disease, and it is to such unsanitary conditions that I would call your attention.

SUGGESTIONS.

We greatly need a city hospital for contagious and infectious diseases. These cannot be properly cared for at private houses, and there are no wards for such cases at the Mary Fletcher Hospital. It becomes, therefore, the duty of our city to provide for them.

Vaccination, especially among our school children, should be made compulsory, and as no general vaccination has been made in the city for some years, it would seem to be wise to have this precautionary measure taken in order to more effectually guard against the possibility of an epidemic of a disease so much dreaded as smallpox.

A crematory for the proper disposal of our garbage should be provided, and not compel the air in any one neighborhood to become polluted with the odors and particles of burning refuse.

These requirements are imperative, and no unreasonable delay to appropriate sufficient funds to obtain the same should be permitted by your honorable body. Good health is more important than good roads.

#### MILK.

More attention should be given to our milk supply. Milk vendors should be licensed and be subject to sanitary regulations. Their dairies should be frequently inspected and kept in proper condition.

#### PLUMBING.

The subject of house plumbing has not received the careful attention its importance demands. All house drains should be connected with the public sewer wherever the same are available, and intelligent inspection of the work made after its completion.

#### CONTAGIOUS DISEASES.

During the year past there have been 13 cases of scarlatina, 32 of typhoid fever, 19 of diphtheria and 3 of measles. The first was noticed in nine months of the year. Only one

case resulted fatally. The second was most prevalent in January, August and September. The majority in the two last months being returned soldiers, who had doubtless contracted the disease elsewhere. Only one death occurred in the diphtheretic cases, a most favorable showing and largely due to the use of antitoxine. And here I would speak most commendingly of the action of the State Board of Health and of the last Legislature in providing and sustaining a State bacteriological laboratory. This most important work is in charge of one of our own citizens, Dr. Jo H. Linsley, to whose personal efforts we are largely indebted for this useful institution. Under his direction cultures from every portion of the state are developed. This has enabled physicians to act more intelligently, and has in many instances allowed a quarantine to be raised days before it would otherwise have been, and thus contribute greatly to the comfort of the patient and to the relief from labor and anxiety of friends. One case which I will cite was that of a patient who was taken ill on September 10, and the quarantine was not raised until November 23.

I append a table of meteorological observations for which I am indebted to the courtesy of Mr. Charles E. Allen.

In conclusion, I wish to express my thanks to the city clerk and his assistant, Mr. G. A. Dow, for the interest they have taken in the work, and also to the members of the Health Committee for the assistance they have given me during the year in the prosecution of the duties belonging to this department.

Respectfully submitted,

H. A. CRANDALL, M. D.,  
Health Officer.

VITAL STATISTICS  
OF THE  
City of Burlington, Vermont,

For the Year 1898.

TABLE 1. Marriages.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	
Nativity of Groom	United States..	9	6	5	13	9	17	14	6	16	11	13	8	127	
	Canada .....	1	4		5	1	1	1	1	3	6	2	1	25	
	Ireland .....	1												1	
	Other Countries	1		1							2	1	1	6	159
Nativity of Bride	United States..	9	4	5	14	7	14	14	5	18	16	16	9	131	
	Canada .....	2	6		3	3	4	1	2	1				22	
	Ireland .....	1												1	
	Other Countries			1							3	1		5	159

Table No. 2.—Births, Seasons, Nativity, Sex, Locality, and Number of Mothers of Each Age.

Age of Mothers.																					
No.		Age.																			
5	16	5	17	12	18	13	19	17	20	23	21	24	22	23	20	29	18	25	24	25	
6	17	6	18	13	19	14	20	18	21	24	22	25	23	26	27	24	28	29	30	31	
7	18	7	19	14	20	15	21	19	22	26	24	27	25	28	29	24	29	30	31	32	
8	19	8	20	15	21	16	22	20	23	27	25	28	26	29	30	25	30	31	32	33	
9	20	9	21	16	22	17	23	21	24	28	26	29	27	30	31	26	31	32	33	34	
10	21	10	22	17	23	18	24	22	25	29	27	30	28	31	32	27	32	33	34	35	
11	22	11	23	18	24	19	25	23	26	30	28	31	29	32	33	28	33	34	35	36	
12	23	12	24	19	25	20	26	24	27	31	29	32	30	33	34	29	34	35	36	37	
13	24	13	25	20	26	21	27	25	28	32	30	33	31	34	35	30	35	36	37	38	
14	25	14	26	21	27	22	28	26	29	33	31	34	32	35	36	31	36	37	38	39	
15	26	15	27	22	28	23	29	27	30	34	32	35	33	36	37	32	37	38	39	40	
16	27	16	28	23	29	24	30	28	31	35	33	36	34	37	38	33	38	39	40	41	
17	28	17	29	24	30	25	31	29	32	36	34	37	35	38	39	34	39	40	41	42	
18	29	18	30	25	31	26	32	30	33	37	35	38	36	39	40	35	40	41	42	43	
19	30	19	31	26	32	27	33	31	34	38	36	39	37	40	41	36	41	42	43	44	
20	31	20	32	27	33	28	34	32	35	39	37	40	38	41	42	37	42	43	44	45	
21	32	21	33	28	34	29	35	33	36	40	38	41	39	42	43	38	43	44	45	46	
22	33	22	34	29	35	30	36	34	37	41	39	42	40	43	44	39	44	45	46	47	
23	34	23	35	30	36	31	37	35	38	42	40	43	41	44	45	40	45	46	47	48	
24	35	24	36	31	37	32	38	36	39	43	41	44	42	45	46	41	46	47	48	49	
25	36	25	37	32	38	33	39	37	40	44	42	45	43	46	47	42	47	48	49	50	
26	37	26	38	33	39	34	40	38	41	45	43	46	44	47	48	43	48	49	50	51	
27	38	27	39	34	40	35	41	39	42	46	44	47	45	48	49	44	49	50	51	52	
28	39	28	40	35	41	36	42	40	43	47	45	48	46	49	50	45	50	51	52	53	
29	40	29	41	36	42	37	43	41	44	48	46	49	47	50	51	46	51	52	53	54	
30	41	30	42	37	43	38	44	42	45	49	47	50	48	51	52	47	52	53	54	55	
31	42	31	43	38	44	39	45	43	46	50	48	51	49	52	53	48	53	54	55	56	
32	43	32	44	39	45	40	46	44	47	51	49	52	50	53	54	49	54	55	56	57	
33	44	33	45	40	46	41	47	45	48	52	50	53	51	54	55	50	55	56	57	58	
34	45	34	46	41	47	42	48	46	49	53	51	54	52	55	56	51	56	57	58	59	
35	46	35	47	42	48	43	49	47	50	54	52	55	53	56	57	52	57	58	59	60	
36	47	36	48	43	49	44	50	48	51	55	53	56	54	57	58	53	58	59	60	61	
37	48	37	49	44	50	45	51	49	52	56	54	57	55	58	59	54	59	60	61	62	
38	49	38	50	45	51	46	52	50	53	57	55	58	56	59	60	55	60	61	62	63	
39	50	39	51	46	52	47	53	51	54	58	56	59	57	60	61	56	61	62	63	64	
40	51	40	52	47	53	48	54	52	55	59	57	60	58	61	62	57	62	63	64	65	
41	52	41	53	48	54	49	55	53	56	60	58	61	59	62	63	58	63	64	65	66	
42	53	42	54	49	55	50	56	54	57	61	59	62	60	63	64	59	64	65	66	67	
43	54	43	55	50	56	51	57	55	58	62	60	63	61	64	65	60	65	66	67	68	
44	55	44	56	51	57	52	58	56	59	63	61	64	62	65	66	61	66	67	68	69	
45	56	45	57	52	58	53	59	57	60	64	62	65	63	66	67	62	67	68	69	70	
46	57	46	58	53	59	54	60	58	61	65	63	66	64	67	68	63	68	69	70	71	
47	58	47	59	54	60	55	61	59	62	66	64	67	65	68	69	64	69	70	71	72	
48	59	48	60	55	61	56	62	60	63	67	65	68	66	69	70	65	70	71	72	73	
49	60	49	61	56	62	57	63	61	64	68	66	69	67	70	71	66	71	72	73	74	
50	61	50	62	57	63	58	64	62	65	69	67	70	68	71	72	67	72	73	74	75	
51	62	51	63	58	64	59	65	63	66	70	68	71	69	72	73	68	73	74	75	76	
52	63	52	64	59	65	60	66	64	67	71	69	72	70	73	74	69	74	75	76	77	
53	64	53	65	60	66	61	67	65	68	72	70	73	71	74	75	70	75	76	77	78	
54	65	54	66	61	67	62	68	66	69	73	71	74	72	75	76	71	76	77	78	79	
55	66	55	67	62	68	63	69	67	70	74	72	75	73	76	77	72	77	78	79	80	
56	67	56	68	63	69	64	70	68	71	75	73	76	74	77	78	73	78	79	80	81	
57	68	57	69	64	70	65	71	69	72	76	74	77	75	78	79	74	79	80	81	82	
58	69	58	70	65	71	66	72	70	73	77	75	78	76	79	80	75	80	81	82	83	
59	70	59	71	66	72	67	73	71	74	78	76	79	77	80	81	76	81	82	83	84	
60	71	60	72	67	73	68	74	72	75	79	77	80	78	81	82	77	82	83	84	85	
61	72	61	73	68	74	69	75	73	76	80	78	81	79	82	83	78	83	84	85	86	
62	73	62	74	69	75	70	76	74	77	81	79	82	80	83	84	79	84	85	86	87	
63	74	63	75	70	76	71	77	75	78	82	80	83	81	84	85	80	85	86	87	88	
64	75	64	76	71	77	72	78	76	79	83	81	84	82	85	86	81	86	87	88	89	
65	76	65	77	72	78	73	79	77	80	84	82	85	83	86	87	82	87	88	89	90	
66	77	66	78	73	79	74	80	78	81	85	83	86	84	87	88	83	88	89	90	91	
67	78	67	79	74	80	75	81	79	82	86	84	87	85	88	89	84	89	90	91	92	
68	79	68	80	75	81	76	82	80	83	87	85	88	86	89	90	85	90	91	92	93	
69	80	69	81	76	82	77	83	81	84	88	86	89	87	90	91	86	91	92	93	94	
70	81	70	82	77	83	78	84	82	85	89	87	90	88	91	92	87	92	93	94	95	
71	82	71	83	78	84	79	85	83	86	90	88	91	89	92	93	88	93	94	95	96	
72	83	72	84	79	85	80	86	84	87	91	89	92	90	93	94	89	94	95	96	97	
73	84	73	85	80	86	81	87	85	88	92	90	93	91	94	95	90	95	96	97	98	
74	85	74	86	81	87	82	88	86	89	93	91	94	92	95	96	91	96	97	98	99	
75	86	75	87	82	88	83	89	87	90	94	92	95	93	96	97	92	97	98	99	100	
76	87	76	88	83	89	84	90	88	91	95	93	96	94	97	98	93	98	99	100	101	
77	88	77	89	84	90	85	91	89	92	96	94	97	95	98	99	94	99	100	101	102	
78	89	78	90	85	91	86	92	90	93	97	95	98	96	99	100	95	100	101	102	103	
79	90	79	91	86	92	87	93	91	94	98	96	99	97	100	101	96	101	102	103	104	
80	91	80	92	87	93	88	94	92	95	99	97	100	98	101	102	97	102	103	104	105	
81	92	81	93	88	94	89	95	93	96	100	98	101	99	102	103	98	103	104	105	106	
82	93	82	94	89	95	90	96	94	97	101	99	102	100	103	104	99	104	105	106	107	
83	94	83	95	90	96	91	97	95	98	102	100	103	101	104	105	100	105	106	107	108	
84	95	84	96	91	97	92	98	96	99	103	101	104	102	105	106	101	106	107	108	109	
85	96	85	97	92	98	93	99	97	100	104	102	105	103	106	107	102	107	108	109	110	
86	97	86	98	93	9																

\* Including † twin births.

† Born at poor farm, &amp;c.

‡ Not stated.

Age of Mothers.

**TABLE No. 3.—Mortuary Season, Deaths, Sex, Color,  
Social Conditions and Ages.**

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Deaths.....	22	27	24	26	20	21	19	18	31	23	16	36	283
Still Births.....	2	2	1	1	1	--	4	3	--	1	3	2	20
Totals.....	24	29	25	27	21	21	23	21	31	24	19	38	303
COLOR.													
White.....	24	29	25	27	20	21	23	21	31	23	19	38	301
Colored.....	--	--	--	--	1	--	--	--	--	1	--	--	2
Totals.....	24	29	25	27	21	21	23	21	31	24	19	38	303
SEX.													
Male.....	16	16	15	11	11	16	12	12	16	16	9	12	162
Female.....	8	13	10	16	10	5	11	9	15	8	10	26	141
Totals.....	24	29	25	27	21	21	23	21	31	24	19	38	303
SOCIAL CONDITION.													
Married.....	9	12	8	7	5	7	10	7	9	9	5	14	102
Widowed.....	3	7	3	8	5	1	3	1	6	3	1	5	46
Single (over 14).....	3	5	2	2	3	4	3	2	4	2	2	5	37
Not stated.....	--	--	--	--	1	--	--	--	--	--	--	--	1
Totals.....	15	24	13	17	14	12	16	10	19	14	8	24	186
AGES.													
Under 1 year.....	8	5	8	6	5	4	7	8	9	8	7	7	82
1 to 5 years.....	--	--	3	1	3	1	1	2	2	1	3	4	21
5 to 20 years.....	4	1	1	3	1	3	1	1	2	--	3	3	23
20 to 50 years.....	4	8	7	5	4	6	7	2	5	3	3	16	70
50 to 70 years.....	4	10	5	4	3	4	5	6	4	5	2	3	55
Over 70 years.....	1	3	1	2	1	1	--	1	7	5	1	1	24
Over 80 years.....	3	1	--	6	4	2	2	1	2	2	--	4	27
Over 90 years.....	--	1	--	--	--	--	--	--	--	--	--	--	1
Totals.....	24	29	25	27	21	21	23	21	31	24	19	38	303
DEATHS BY WARDS.													
Ward 1.....	1	2	5	3	5	3	3	--	2	3	1	6	34
Ward 2.....	6	7	6	5	2	1	4	4	9	9	2	5	60
Ward 3.....	3	7	8	5	5	5	6	5	5	4	9	14	76
Ward 4.....	8	4	4	3	2	6	1	5	5	2	--	2	42
Ward 5.....	5	7	2	11	6	4	6	6	10	6	7	11	81
Not stated.....	1	1	--	--	1	--	--	--	--	--	--	--	3
Died at Poor Farm.....	--	1	--	--	--	1	1	--	--	--	--	--	3
Drowned.....	--	--	--	--	--	1	2	1	--	--	--	--	4
Totals.....	24	29	25	27	21	21	23	21	31	24	19	38	303



TABLE No. 3—Continued.

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
NATIVITY.													
United States-----	20	21	22	17	14	16	14	17	23	16	15	34	229
Canada-----	3	3	1	3	2	1	4	2	4	4	1	3	31
Ireland-----	1	5	1	4	4	2	2	2	2	4	2	1	30
Other Countries-----	--	--	--	2	--	2	1	--	--	--	--	--	5
Not stated-----	--	--	1	1	1	--	2	--	2	--	1	--	8
Totals-----	24	29	25	27	21	21	23	21	31	24	19	38	303

TABLE No. 4.—Mortuary Seasons and Causes of Death.

	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
DISEASES.													
Accidents.....	-	-	-	-	-	-	-	2	-	-	-	-	2
" Railroad.....	1	-	-	-	-	-	-	-	-	-	-	-	1
" Poison.....	-	-	-	-	-	-	-	-	-	-	-	1	1
" Drowned.....	-	-	-	-	1	1	2	1	-	-	-	-	5
Anæmia.....	-	-	-	-	-	-	-	-	-	1	-	-	1
Angina Pectoris.....	-	2	-	-	-	-	-	-	-	-	-	-	2
Apoplexy.....	1	1	1	-	-	3	-	-	-	-	1	-	7
Asphyxia.....	-	-	1	1	-	-	-	1	-	-	-	-	2
Asthma.....	-	-	-	-	-	-	-	-	1	-	-	-	1
Bilious Fever.....	-	-	-	-	-	-	-	-	1	-	-	-	1
Bright's Disease.....	-	2	-	-	-	-	1	2	-	-	3	-	8
Bronchitis.....	-	-	1	1	-	-	-	1	-	-	-	-	3
Bronchitis Capillary.....	1	1	1	2	1	-	-	-	-	-	-	-	6
Bronchitis Chronic.....	-	-	-	-	-	-	-	-	1	-	-	-	1
Broncho Pneumonia.....	-	-	-	-	-	-	-	-	-	1	1	-	2
Cancer.....	1	-	-	-	-	-	1	1	-	1	-	-	4
Cancer of Liver.....	-	-	-	-	-	-	-	-	-	1	-	-	1
Cancer of Rectum.....	-	-	1	-	1	-	-	-	-	-	-	-	2
Cancer Secondary.....	-	-	-	-	-	-	-	-	-	-	1	-	1
Cancer of Stomach.....	-	-	-	-	-	-	-	-	1	-	1	-	2
Cancer of Uterus.....	1	-	-	-	-	-	-	-	-	-	-	-	1
Cardialgia.....	-	-	-	-	-	-	-	1	-	-	-	-	1
Cerebral Anæmia.....	-	-	-	-	-	-	-	-	-	-	-	1	1
Cerebral Hemorrhage.....	1	-	-	-	-	1	-	1	-	-	-	-	3
Cerebro-Spinal Meningitis.....	-	-	-	-	-	-	-	-	-	-	1	-	1
Cerebro-Meningitis.....	-	-	-	-	-	-	-	-	-	1	-	-	1



TABLE No. 4—Continued.

SEASONS.	Jan.	Feb.	March.	April	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
DISEASES.													
Cirrhosis of Liver		1											1
Cholera Infantum							1	1	1				3
Congenital Debility							1						1
Congenital Eczema										1			1
Congenital Heart Disease				1							1		2
Congestion of Lungs				1									1
Chronic Catarrh Intestinal							1						1
Convulsions	2		4	1			1			1	1		10
Cyanosis									1	1			2
Croup Catarrhal								1					1
Debility					1								1
Diarrhoea								1	1	1			3
Diphtheria			1										1
Dysentery							1						1
Eczema											1		1
Empyemia			1										1
Enteritis								1	1				2
Epilepsy	1												1
Exhaustion									1				1
Gangrene						2			1				3
Gastritis						2			1	1			4
Gastro Enteritis, Acute								1					1
Gastro Enteritis, Chronic			1										1
General Debility									2		1		3
General Dropsy								1					1
Heart Disease	3	3	1	4	3	1	1	3	2		1		22
Heart Failure		2								1	3		6
Heart Hypertrophy										1			1
Hernia Strangulated										1			1
Hemorrhage, Secondary											1		1
Inanition											1		1
Indigestion, Acute			1										1
La Grippe				1			1				3		5
Laryngeal Phthisis										1			1
Malnutrition				1									1
Marasmus						1							1
Membranous Croup											1		1
Meningitis		3		2	1	1		1	2	1	2	1	14
Meningitis following La Grippe			2										2
Nephritis, Acute							1						1
Nephritis, Chronic	1			1									2
Non-closure of Mitral Valve	1												1
Oedema of Glottis						1							1

TABLE No. 4—Continued.

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
DISEASES.													
Old Age .....	2	2	1	4	2			1		2		2	16
Paralysis .....			1		1		2		1				5
Paralysis of Heart .....									1				1
Pernicious Anaemia .....								1					1
Peritonitis .....			2	1								1	4
Pleuro-Pneumonia .....	1												1
Phthisis .....	4	1	2	1	1	2	2		2	1	3	4	23
Pneumonia .....	1	2	2	2	4	1	1	1		1		4	19
Pneumonia, Typhoid .....	1												1
Premature Birth .....	1	1							2	1	1	2	8
Puerperal Eclampsia .....										1			1
Puerperal Fever .....		1											1
Retention of Urine .....												1	1
Rheumatism .....												1	1
Scarlatina .....					1								1
Septicæmia .....									1				1
Shock .....		1				3	1			1			6
Shock, Surgical .....					1								1
Shock after Parturition .....				1									1
Spinal Meningitis .....						1			1				2
Still Births .....	2	2	1	1	1		4	3		1	3	2	20
Suicide .....				1									1
Tuberculosis .....			1									1	2
Tubercular Meningitis .....								1					1
Tuberculosis, Miliary .....				1									1
Toxæmia .....								1					1
Thermic Fever .....						1							1
Typhoid Fever .....	1	1	1						1				4
Tumor, Abdominal .....									1				1
Ulceration of Bowels .....		1											1
Uremic Convulsions .....									1		1		2
Umbilical Hemorrhage .....	1												1
Totals .....	24	29	25	27	21	21	23	21	31	24	19	38	303

**TABLE NO. 5. Monthly Tabulated Statement of Contagious Diseases with Mortality.**

SEASONS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	Deaths.
DISEASES.														
Scarlatina.....	*3	1	1	1	—	1	2	2	1	1	—	—	13	1
Typhoid Fever.....	10	2	2	—	1	1	1	5	6	1	1	2	32	4
Diphtheria.....	—	1	4	—	1	1	1	1	4	2	4	—	19	—
Measles.....	—	—	1	—	—	—	—	—	2	—	—	—	3	—
Mumps.....	—	—	—	—	—	—	—	—	—	—	2	—	2	—
Pertusis.....	—	—	—	—	—	—	—	—	—	2	1	3	6	—
Totals.....	13	4	8	1	2	3	4	8	13	6	8	5	75	6

\* All in one family.

## ANALYSIS OF THE VITAL STATISTICS.

During the year 1898 there were 159 marriages, 443 births, 303 deaths, including 21 still-births. The excess of births over deaths shows an increase in the population of 40 by these natural events. As compared with the year 1897, there were 8 more marriages, 43 less births and 50 less deaths in 1898.

### MARRIAGES.

The ratio of persons married in 1898 to the whole population was 1 to 120.

*Season.*—There were 28 marriages in the first quarter of the year, 45 in the second, 41 in the third, 45 in the fourth.

## DEATHS.

There were 303 deaths, including 21 still-births, during the year 1898,—50 less than in 1897.

Estimating the population at 18,500, the ratio of deaths, exclusive of still-births, was 16.38 to 1,000 inhabitants, or 1 death in 61 of the population.

*Season.*—The greatest number of deaths (81) was in the fourth quarter of the year, and the smallest (68) in the second. The greatest monthly mortality was 38 in December, and the least, 19, in November.

*Sex.*—There were deaths of 162 males and 141 females.

*Social Relations.*—One hundred and fifty-five of the deaths—including 21 still-births—were of single persons; 102 of married, and 46 of widows or widowers.

*Age.*—There were 82 deaths, including 21 still-births, of children under 1 year of age, or 27.09 per cent. of all deaths; 21 of children between 1 and 5 years old, or 6.93 per cent. of all deaths; 23 between the age of 5 and 20, or 7.59 per cent. of all; 70 were between 20 and 50, or 23.10 per cent. of all; 55 were between 50 and 70, or 18.15 per cent. of all; and 52 of persons 70 and over, or 17.16 per cent. of the total. Of this last number one was 90 years old.

*Nativity.*—Two hundred and twenty-nine of the deceased, including 21 still-births—were born in the United States; 31 in Canada; 38 in Ireland, and 5 in other countries.

## BIRTHS.

There were 443 births during the year 1898, or 43 less than in 1897. In this number are included 4 twin births, and 21 still-births.

The proportion of live births to population (18,500) was 1 in 41.09.

*Sex.*—Males, 236; females, 207,—or 29 more males than females.

*Parentage.*—Two hundred and seventy-four fathers and 287 mothers were born in the United States; 105 fathers and 102 mothers were born in Canada; 8 fathers and 9 mothers were born in Ireland, and 44 fathers and 41 mothers were born in other countries. The nativity of 8 fathers was unknown.

*Season.*—119 births occurred in the first, 118 in the second, 113 in the third and 93 in the fourth quarter.

*Locality.*—One hundred and thirty-four births occurred in the third Ward; 133 in the second; 93 in the fifth; 47 in the fourth, and 27 in the first Ward.

*Twin Births.*—There were 4 of these cases.

*Age of Mothers.*—The age at which women bore the greatest number of children in 1898 was 24,—29 children having been borne by mothers of that age. The youngest mother was 16 years old, and the oldest was 45. Twenty-two children were borne by mothers 18 years old and under, and 30 by women 40 years old and over.

# METEOROLOGICAL OBSERVATIONS, CITY OF BURLINGTON, VERMONT

## Elevation 377 feet above tide water.

By CHARLES E. ALLEN.

Hours of observation, 7 A. M. to 1 P. M., 9.30 P. M.  
 Showing the maximum and minimum temperature and the range of temperature, at hours of observation, for the year 1898; the mean range of each month in the year, the monthly precipitation, the mean monthly, annual and general average.

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.																								
	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.																								
1898	45	24	69	50	10	60	60	65	46	78	43	35	85	50	35	90	52	38	86	54	32	88	42	46	78	30	48	56	8	48	50	-8	58	46.52a		
1840	to																																			
1899	46	14	60	47	16	63	52	151	72	19	53	81	40	41	85	50	37	90	57	33	86	52	34	82	39	43	70	30	40	60	12	48	49	-9	58	45.96b

### Mean Monthly Average of Temperature.

1898	17.26	26	25	37	97	43	35	55	29	66	27	66	23	70	63	12	49	98	36	94	25	65	46	52c
1840	to																							
1899	18.38	20	27	30	35	43	71	57	41	66	64	69	93	67	91	59	98	48	79	37	43	25	08	47.96d

### Monthly Precipitation.

1898	2.60	2.98	1.04	2.33	2.14	2.93	1.51	4.58	5.01	4.01	1.90	.75	31.78e
1840	to												
1899	2.22	2.25	1.46	2.00	2.53	3.14	2.72	4.07	4.26	3.67	3.13	1.32	31.94f

a Mean annual range of temperature 1898.  
 b Mean annual range 1840 to 1899.

c Mean annual average 1898.  
 d Total inches for 1898.

e Mean annual temperature for 1898.  
 f Mean annual average, inches.

### BROAD LAKE, CLOSED.

1893, January 16.  
 1895, February 7.  
 1897, January 31.  
 1899, February 1.

1894, February 6 and 12.  
 1896, February 17.  
 1898, January 30.

### BROAD LAKE, OPEN.

1893, April 12.  
 1895, April 19.  
 1897, April 10.  
 1898, February 10 and March 15.  
 1896, April 17.  
 1898, March 16.

REPORT  
OF THE  
CITY PHYSICIAN.

---

*To H. A. Crandall, M. D., Health Officer:*

DEAR SIR :—From January 1, 1898, to January 1, 1899, I have given attendance to eighty-three different families, besides those at the poor farm, who were called upon forty-seven times during the year. The average number of calls in the city has been two a day.

Respectfully,

J. E. LAROCQUE,  
City Physician.



---

TENTH ANNUAL REPORT  
OF THE  
WATER COMMISSIONERS.

---

*To the Honorable, the City Council, City of Burlington :*

GENTLEMEN :—In compliance with the city ordinance, the Water Commissioners respectfully submit the following, their report for the year ending December 31, 1898.

The receipts from water rates for the year have been \$45,958.84, a slight increase over those of 1897. The amount of the unpaid bills is also slightly in excess of that reported a year ago.

There is this year, as there has been for a number of years, a large amount charged to current expense which, though perhaps properly chargeable to this account, was in no sense a necessary expense of maintenance.

Though the pumpage for the year has been about twelve million in excess of that of the year previous, it still falls more than ten million short of any of the years immediately preceding. The average daily consumption for the year, 805,800 gallons, about 100,000 gallons less than that of five years ago, has required an average daily run of less than ten hours.

The pumping machinery has not cost more than usual for repairs, is in excellent condition and as capable of efficient service as it ever was.

The above fact constitutes no argument against more economical and efficient machinery.

We would renew our previous recommendations relative to the setting of boundary posts, and the prohibition of encroachment upon the low service premises and right of way.

The recent lumber yard conflagration, at which nine hydrants were used, and on account of which about six million gallons of water, or more than enough to supply the average demand for a week was pumped, furnished an excellent testimonial as to the ability of the water works to maintain a good fire pressure in time of heavy draft in that locality.

Biological examinations of the supply were made as usual during the season, and with the usual satisfactory result.

For details of the season's work and expenditures, reference is made to the accompanying report of the Superintendent.

Respectfully submitted,

J. E. LANOU,	}	Water Commissioners.
A. ADSIT,		
JOHN J. FLYNN,		

# THIRTY-SECOND ANNUAL REPORT

## OF THE

# SUPERINTENDENT OF WATER WORKS.

*To the Honorable Board of Water Commissioners of the City  
of Burlington, Vt. :*

GENTLEMEN:—The following is a statement of the receipts and disbursements of the Burlington City Water Works for the year ending December 31, 1898.

### FUNDS AVAILABLE FOR THE USE OF THE DEPARTMENT.

App. by charter for current expenses-----	\$42,924 16
“ “ “ “ sinking fund-----	2,259 16
From sales of material, permits, etc-----	637 64
	<hr/>
Total for current expense and sinking fund	\$45,820 96
Appropriation for construction-----	3,500 00
	<hr/>
Total funds available-----	\$49,320 96
Drawn -----	49,306 18
	<hr/>
Unexpended -----	\$ 14 78

### SINKING FUND.

Since the enactment of the amendment to the city charter requiring that “A sum not less than five per cent. of the amount of the gross receipts from all sources derived from the use of water for the year ending the 31st of December of the year previous shall be placed to the credit of the sinking fund to be applied in the reduction of the bonded and other indebtedness of the city incurred for the benefit of the water

department," deposits have been made with the City Treasurer as follows :

September 10, 1897-----	\$2,360 25
August 4, 1898-----	2,259 16

#### RECEIPTS.

From L. C. Grant, City Treasurer-----	\$49,306 18
---------------------------------------	-------------

#### DISBURSEMENTS.

##### *Construction :*

Cast iron pipe-----	\$ 1,018 84
Labor on mains-----	1,394 10
Gates -----	282 91
Hydrants -----	150 00
Gate and cut off boxes-----	112 90
Lead and yarn-----	41 00
Material for services-----	95 47
Labor on services-----	390 00
	----- \$ 3,485 22

##### *Current Expenses :*

Interest -----	\$ 10,365 00
Pay-rolls -----	3,757 66
Salary of Superintendent-----	1,200 00
Care and repair of reservoirs and resi- dent premises-----	958 13
Tank cleaning and repairs-----	664 13
Material for management and repairs	638 95
Horse keeping, shoeing, repairs and barn rent-----	514 93
City of Burlington, other departments	446 60
Salary of Registrar-----	400 00
Salary of Water Commissioners-----	300 00
Castings-----	300 00

Plumbers' bills-----	253 94
Printing, advertising and postage---	239 64
Hydrant repairs-----	228 56
Fuel and light for office and shop----	202 98
Corporation stops and brass goods---	150 68
Tools -----	130 28
Repair of tools-----	129 85
Freight and express charges-----	90 74
Telephone rent-----	78 00
Six ton Fairbanks scales-----	75 00
Office expenses-----	56 64
Biological examinations of supply---	50 00
Damages -----	38 24
Replaced cement pipe with cast iron.	
Cast iron pipe-----	\$4,354 03
Lead and yarn-----	745 48
Water gates-----	341 75
Labor -----	5,197 51
	----- \$10,638 77
	----- \$31,908 72

*Pumping Division :*

Fuel -----	\$ 3,299 70
Pay rolls-----	2,471 31
Repairs to buildings and grounds----	1,234 64
Supplies-----	264 79
Repairs to machinery -----	138 93
Repairs to motor-----	64 84
Damper regulator-----	56 00
	----- \$ 7,530 21

*Meter Division :*

Meters -----	\$ 2,391 90	
Pay-rolls -----	1,521 69	
Repairs and freight-----	209 28	
	<u>          </u>	\$ 4,122 87

*Sinking Fund :*

L. C. Grant, Treasurer-----	\$ 2,259 16	
	<u>          </u>	\$ 2,259 16

## RECAPITULATION.

Construction-----	\$ 3,485 22	
Sinking fund-----	2,259 16	
Current-----	\$31,908 72	
"    Pumping-----	7,530 21	
"    Meter -----	4,122 87	
	<u>          </u>	43,561 80
		<u>          </u> \$49,306 18

## WATER TAX COLLECTIONS.

## RECEIPTS.

Schedule rates-----	\$11,841 39	
Meter rates-----	34,117 45	
	<u>          </u>	\$45,958 84

## DISBURSEMENTS.

L. C. Grant, City Treasurer-----	\$45,958 84
----------------------------------	-------------

We, the undersigned, have examined the books and vouchers for the year 1898 of F. H. Crandall, Superintendent of the City Water Works, and find them correct.

GEO. W. BECKWITH,	} Auditors.
JOHN C. FARRAR,	
THOMAS FAILEY,	

Statement of assessments and current expenditures for year ending December 31, 1898.

ASSESSMENTS.		EXPENDITURES.	
PAID.			
Meter rates...	\$34,103 60	Interest.....	\$10,365 00
Sched. rates..	11,803 29	Repl'g cement pipe.....	10,638 77
	<u>\$45,906 89</u>	Current.....	\$10,904 95
Mat. & Labor..	583 22-46,490 11	Pumping.....	7,530 21
		Meters.....	4,122 87
			<u>22,558 03</u>
			\$43,561 80
UNPAID.			
Meter rates...\$	47 20	Excess of as-	
Sched. rates..	60 37	essments	
	<u>107 57</u>	To Sink'g fund	2,259 16
Mat. & Labor..	162 17 \$ 269 74	" City Treas..	938 89
	<u>\$46,759 85</u>	Total excess..	\$ 3,198 05
			<u>\$46,759 85</u>

## WATER PUMPED.

1898.	Gallons.
January-----	20,110,025
February-----	18,098,300
March-----	20,332,550
April-----	21,653,300
May-----	23,783,625
June-----	29,751,075
July-----	31,622,350
August-----	27,381,775
September-----	26,948,850
October-----	23,138,725
November-----	24,538,575



---

December-----	26,759,200
<hr/>	
Total, 1898-----	294,118,350
Total, 1897-----	282,550,525
<hr/>	
Increase in 1898-----	11,567,825
Daily average in 1898-----	805,800
Daily average in 1897-----	774,111

### SERVICES.

There have been added 67 services of the following sizes :

Sixty-two-----	$\frac{1}{2}$ inch.
One-----	$\frac{3}{4}$ “
Two-----	1 “
One-----	$1\frac{1}{2}$ “
One-----	4 “

Of the above, three services, two for the Bradley property on South Union street and one for the Warner estate on Church street, were laid prior to street improvement without application from the owner of the premises to be supplied and are not as yet in use. Eleven services have been replaced, seven on account of street improvement, and four for other causes.

Two services were discontinued prior to laying the brick roadway on Church street.

### HYDRANTS.

Two post hydrants have been added, one on North Bend street near Crowley, and one on Henry street at Weston.

Five hydrants have been discontinued, four in the rail-

road yard and one at corner of Briggs street and Lyman avenue.

Total number of public hydrants-----	174
Total number of private hydrants-----	31
	<hr/>
	205

### SUPPLY PIPE.

No pipe of less than four inch diameter has been laid during the past season.

Supply pipe has been discontinued as follows:

North Bend St., between North avenue and Volz	640 feet.
North street from North Willard to Prospect-----	1,070 "
Ward street, easterly from Blodgett-----	60 "
	<hr/>
Discontinued-----	1,770 "
Total length now in use-----	13,938 "

### MAINS.

New mains have been laid as follows:

#### WITH 6 INCH CAST IRON PIPE.

	Feet.
First street, from Oak to Bright-----	383
Mansfield avenue, northerly from dead end-----	120
North Bend street, between North avenue and Pitkin--	1,080
Bradley street, easterly from South Union-----	21
South Union street, from College to Main-----	405
Champlain street, from College to Main-----	350
Greene street, southerly from Hickok-----	104
Center street, from College street northerly-----	120
Kilburn street, from dead end to St. Paul-----	323
Drew street, from Ward southerly-----	57

---

Hydrant branch and fire service at the pumping station-----	58
Ward street, from North Bend to Blodgett-----	149
Pitkin street, from dead end to North Bend-----	125
	<hr/>
	3,295

WITH 4 INCH CAST IRON PIPE.

Feet.

Ward street, connecting dead end-----	366
Luck street, from Interval avenue westerly-----	254
Orchard terrace, dead end southerly-----	38
	<hr/>
	658

Total length new mains-----3,953  
 Cement pipe in the following streets has been replaced :

WITH 12 INCH CAST IRON PIPE.

Feet.

North street, from Willard to Prospect-----	1,070
---	-------

WITH 10 INCH CAST IRON PIPE.

South Union street, from Howard to St. Paul-----	858
--	-----

WITH 8 INCH CAST IRON PIPE.

North Winooski avenue, from Pearl to Grant-----	588
---	-----

WITH 6 INCH CAST IRON PIPE.

First street, from Bright to Winooski avenue-----	696
South Champlain street, between Maple and Pearl-----	1,827
Maple street, from Battery to Champlain-----	304
Bank street at Champlain-----	79
Lafountain street, from Cedar to North Bend-----	700
Beach street, easterly from South Union-----	49
North Bend street, from Lafountain to Rose-----	470
Rose street, from North Bend to North-----	1,064

---

Cedar street at Rose-----	95
Bright street at First-----	37
Total length replaced-----	7,837

---

## LENGTH OF PIPE NOW IN USE.

Cement-----	43,269 feet.	8 miles+
Iron-----	153,008 "	29 " +
Total-----	196,267 "	37 " +

## GATES.

The following gates have been discontinued :

Oak street at Interval avenue-----	1	4	inch.
First street at Winooski avenue-----	1	4	"
Bank street at Champlain-----	2	3	"
Champlain street at College-----	1	6	"
North street at North Willard-----	1	4	"
Maple street at Champlain-----	1	4	"
Beech street at South Union-----	1	4	"
North street at Prospect-----	1	3	"
North street at east line of Willard-----	1	10	"
South Union street at St. Paul-----	1	6	"
North Winooski avenue at south line of Grant	1	4	"
Grant street at Winooski avenue-----	2	3	"
Rose street at North Bend-----	1	3	"
Cedar street west of Rose-----	1	4	"
Lafountain street at North Bend-----	1	4	"
Total discontinued-----	17		

The following gates have been set :

North street east line of North Willard-----	1	12	inch.
--	---	----	-------

College street at east line of Pearl-----	I	10	inch.
South Union street at St. Paul-----	I	10	"
Church street at south line of Cherry-----	I	8	"
North Winooski avenue at Grant-----	I	8	"
First street at west line of Winooski avenue--	I	6	"
First street at east line of Bright-----	I	6	"
First street at west line of Bright-----	I	6	"
First street at east line of Interval avenue-----	I	6	"
Oak street at west line of Interval avenue-----	I	6	"
South Champlain at south line of Maple-----	I	6	"
South Champlain at north line of Maple-----	I	6	"
South Champlain at south line of College-----	I	6	"
South Champlain at north line of College-----	I	6	"
South Champlain at south line of Bank-----	I	6	"
South Champlain at north line of Bank-----	I	6	"
Maple street at west line of South Champlain--	I	6	"
Bank street at east line of South Champlain--	I	6	"
Bank street at west line of South Champlain--	I	6	"
Lafountain street at south line of North Bend--	I	6	"
North Bend street at north line of Ward-----	I	6	"
" " " " west " Rose-----	I	6	"
" " " " east " "-----	I	6	"
" " " " west " Lafountain	I	6	"
" " " " east " "-----	I	6	"
Rose street at south line of North Bend-----	I	6	"
" " " " north " Cedar street east--	I	6	"
" " " " south " " "-----	I	6	"
Cedar street at east line of Rose-----	I	6	"
Cedar street at west line of Rose-----	I	6	"
Bright street at south line of First-----	I	6	"
Mansfield avenue at south line of North-----	I	6	"

Bradley street at east line of South Union-----	1	6	inch.
South Union street at north line of Main-----	1	6	"
Greene street at south line of Hickok-----	1	6	"
Kilburn street at west line of St. Paul-----	1	6	"
Drew street at south line of Ward-----	1	6	"
Beech street at east line of South Union-----	1	6	"
Ward street at east line of Blodgett-----	1	6	"
Pitkin street at south line of North Bend-----	1	6	"
Pumping Station Yard Fire Service-----	1	6	"
Pumping Station Yard Hydrant branch-----	1	6	"
Ward street at west line of Blodgett-----	1	4	"
Luck street at west line of Interval avenue----	1	4	"
Luck street 254 feet west of Interval avenue--	1	4	"
Grant street at west line of Winooski avenue--	1	4	"
Grant street at east line of Winooski avenue--	1	4	"
Union street north of Adams street branch----	1	4	"
Kilburn street on fire service for V. B. Co.----	1	4	"
<hr/>			
Total added-----	49		
Total now in use-----	573		

## REPAIRS.

The repairs for the year have been :

On cement pipe-----	7	breaks.
On cement pipe-----	2	leaks.
On iron pipe-----	7	"
On service pipes-----	11	"
On broken hydrants-----	6	
On broken gates-----	2	

## HIGH SERVICE.

The consumption on the high service, as indicated by

the pumping record of that station, was about twelve and one-half million gallons, or about 4 per cent of that of the low service. Of this amount about  $86\frac{3}{4}$  per cent was measured to consumers through meters, one-fourth of one per cent was estimated to have been used where meters stopped and where it was inexpedient to apply meters, five per cent was the estimated loss in the motor and about eight per cent only remains unaccounted for.

It did not become necessary to use the auxiliary steam plant at the high service station, except during the cleaning and repair of the tank, and but about one and one-half per cent of the high service supply was pumped by steam.

#### METERS.

There are now in use 1,963 meters, an increase of 162 over last year.

Of the water pumped, 46 per cent has passed through meters yielding 74 per cent of the revenue.

Respectfully submitted,

F. H. CRANDALL.

---

BURLINGTON, Vt., Oct. 3, 1898.

*Mr. F. H. Crandall, Supt. Burlington Water Works, City :*

DEAR SIR :—At your request I have made a careful bacteriological examination of the water supply of this city with results as given below. The work extended through the months of August and September. Specimens were taken from thirty (30) different places as indicated in the tabulation.



SOURCE OF SPECIMEN.	NO. OF BACTERIA TO CENTIMETER.
10 feet north main sewer outlet-----	6740
50 feet off Champlain Transportation Co.'s wharf-----	1165
50 feet from mouth of main sewer-----	550
Faucet—house of J. H. Linsley—South Union street----	224
Off dock at pumping station-----	205
Office Lang & Goodhue, Park avenue-----	200
Shelburne reef buoy-----	190
100 feet east of breakwater, opposite Lake Champlain Yacht Club wharf-----	181
Laboratory Hayward Block, Main street-----	175
Tap in pumping station-----	170
Tap Mary Fletcher Hospital-----	160
North reservoir-----	160
100 feet east of breakwater, opposite Champlain Trans- portation Co.'s wharf-----	154
Higher service, tap in motor house-----	146
50 feet off Lake Champlain Yacht Club wharf east-----	145
Faucet—Lake Champlain Yacht Club house-----	132
100 feet east of breakwater, opposite Maple St. wharf---	132
50 feet west of south wharf-----	126
Off dock—Lake Champlain Yacht Club wharf-----	121
Office Lang & Goodhue (first drawn)-----	119
50 feet off south end breakwater-----	114
South reservoir-----	110
Higher surface reservoir-----	104
300 feet off south end Linsley slip, west-----	92
Appletree reef (intake)-----	66
Rock Point Institute—faucet in kitchen-----	66
Faucet—car barn—North Winooski avenue-----	63
Off north end breakwater-----	55

---

200 feet west of pumping station-----	44
300 feet west of W. & D. G. Crane's mill-----	37

Water containing not over 300 micro-organisms to the cubic centimeter is considered perfectly safe for domestic use *provided* of course, that the bacteria are of the varieties usually found in water, and not those of a pathogenic nature. None of these latter (or disease germs) were found in the water supply of this city.

The specimens of water collected from the lake were taken during various conditions of temperature and wind, and, I believe, represent a fairly accurate average condition of the water at the different localities.

Examination of the table above given will show the excellent character of the water supplied to our citizens.

Respectfully submitted,

JO H. LINSLEY, M. D.

## SUMMARY OF STATISTICS.

SUGGESTED BY THE  
NEW ENGLAND WATER WORKS ASSOCIATION.

---

Burlington City Water Works.

Burlington, Chittenden County, Vermont.

Population by U. S. census, 1890, 14,590.

Works constructed 1867-8.

Owned by City.

Source of supply, Lake Champlain.

Mode of supply, pumping.

## PUMPING.

1. Builders of pumping machinery, H. R. Worthington.
2. Description of fuel.  $\left\{ \begin{array}{l} b \text{ Bituminous.} \\ d \text{ Reynoldsville.} \\ e \text{ \$2.67}\frac{1}{2}. \end{array} \right.$
3. Total pumpage for the year, 294,118,350 gallons.
7. Average static head against which pumps work, 289 feet.
8. Average dynamic head against which pumps work, 316 feet. Cost of pumping figured on pumping station expenses, \$7,530.21.
11. Per million gallons raised against dynamic head into reservoir, \$25.61.
12. Per million gallons raised one foot high (dynamic), \$0.08. Cost of pumping figured on total maintenance, \$43,561.80.
13. Per million gallons raised against dynamic head into reservoir, \$148.13.
14. Per million gallons raised one foot high (dynamic) \$0.468.

## FINANCIAL.

## Division I.

## MAINTENANCE.

RECEIPTS.	EXPENDITURES.
From Consumers:	AA. Management and repairs,
A. Water rates, domestic.....\$37,241 45	Repl. cement....\$10,638 77
B. Water rates, mfg..... 2,874 41	Current expenses 10,904 95
C. Net receipts for water..... 40,115 86	Pumping " 7,530 21
D. Miscellaneous ..... 637 64	Meter " 4,122 87
E. Total.....\$40,753 50	BB. Interest on bonds and
From public funds:	notes..... 10,365 00
F. Hydrants.....\$3,480 00	CC. Total maintenance.....\$43,561 80
H. Street watering*... 1 877 28	DD. Bal. to Sinking
I. Public buildings	Fund .....\$ 2,360 25
and parks*..... 235 70	Bal. to City Treas. 674 43
Watering troughs. 250 00 5,842 98	Total balance..... 3,034 68
K. Gross receipts from all	EE. Total.....\$46,596 48
sources .....\$46,956 48	

\* Paid at meter rates.

## Division II.

From fixed rates.	{ L. Domestic-----\$11,841 39
	{ M. Manufacturing -----
	{ N. ----- \$11,841 39
From meter rates.	{ O. Domestic-----\$31,243 04
	{ P. Manufacturing 2,874 41
	{ Q. ----- \$34,117 45
	Total-----\$45,958 84

## CONSTRUCTION.

RECEIPTS.	DISBURSEMENTS.
T. Appropriation.....\$3,485 22	FF. Extension of mains.....\$2,899 75
V. Total.....\$3,485 22	GG. Extension of services..... 585 47
	KK. Total.....\$3,485 22

W. Cost of work to date-----	\$463,113 31
X. Bonded debt at date-----	258,500 00
Y.* Value of sinking fund at this date-----	181,572 88
Z. Rate of interest, four per cent.	

\*Toward paying the entire bonded debt of the city, 754,000 00

## CONSUMPTION.

1. Estimated total population at date, 18,000.
2.       "       "       "       on lines of pipe, 17,600.
3.       "       "       "       supplied, 17,400.
4. Total number of gallons consumed for year, 294,118,350.
5. Passed through domestic meters, 120,979,500 gallons, or 41 per cent.
6. Passed through manufacturing meters, 14,785,500 gallons, or 5 per cent.
7. Average daily consumption, 805,800 gallons.
8. Gallons per day to each inhabitant, 45.
9. Gallons per day to each consumer, 46.
10. Gallons per day to each tap, 251.

## DISTRIBUTION.

## MAINS.

1. Kind of pipe, cement lined, cast iron, wrought iron.
2. Size from 4 to 30 inches.
3. Extended, 3,833 feet.
4. Discontinued, 7,837 feet.
5. Total now in use, 37 miles.
6. Cost of repairs per mile, \$8.50.
7. Leaks per mile, 0.22.
8. Small distribution pipe less than four-inch, total length, 13,938 feet.
9. Hydrants added, 2.
10. Number now in use, 205.
11. Stop-gates added, 49.
12. Number now in use, 573.
13. Small stop-gates less than four-inch, total, 56.
14. Number of blow-off gates, 12.
15. Range of pressure on mains at center, for day and night, 70 to 85 pounds.

## SERVICES.

16. Galvanized iron, lead
17. From one-half to six inches.
18. 1,800 feet.
19. 60 feet.
20. 17 miles or 91,556 feet.
21. Service taps added, 67.
22. Number now in use, 3,202.
23. Average length of services, 27 feet.
24. Average cost of services, \$7.60.
25. Meters added, 162.
26. Number now in use, 1,963.
  - a. domestic ----- 1,926
  - b. manufacturing ----- 37
27. Motors and elevators added, 2.
28. Number now in use, 35.

## STORAGE.

Earthwork reservoirs, low service, capacity 7,000,000 gallons; iron tank, high service, capacity 169,617 gallons.

# REPORT

## OF THE

# ADVISORY BOARD

### ON PERMANENT STREET IMPROVEMENTS.

BURLINGTON, Vt., January 2, 1899.

*To the Honorable, the City Council :*

GENTLEMEN :—The Advisory Board on Permanent Street Improvements begs to submit the following report of the work done and the expense of the same for the past year under the fund for the permanent improvement of our streets ; also a summary of the work done for the five years since this work was begun.

#### PERMANENT IMPROVEMENT FUND.

##### RECEIPTS.

Balance on hand, January 1, 1898----	\$ 5,187 06
Avails of bond-----	20,000 00
Sales of crushed stone-----	1,305 87
	\$26,492 93

##### DISBURSEMENTS.

Drawn from city treasury-----	23,680 40
Balance December 31, 1898-----	\$ 2,812 53

## ITEMS OF DISBURSEMENTS.

Expense crushing stone at dock-----	\$ 688 52	
Paving Church street, Bank to Pearl-	5,975 84	
Gravel Champlain St., Main to Maple	509 27	
Macadam " " Pearl to Main	3,325 11	
" First St., Interval Ave. to		
Winooski Ave.-----	1,588 16	
" King St., St. Paul to Church	1,215 75	
" North St., North Ave. to		
Champlain -----	1,501 75	
" St. Paul St., Main to Maple	1,921 55	
" Union St., Pearl to Main---	3,348 65	
" Winooski Ave., First to Ar-		
chibald-----	1,324 93	
Engineers and expense-----	103 75	
Supt. of Streets, part of salary-----	100 00	
Clerk, part of salary-----	100 00	
Steam roller, services -----	300 00	
Eastern Paving Brick Co., bill of 1897	371 25	
		\$22,374 53
Crushed stone sold-----		1,305 87
		<u>\$23,680 40</u>

## ASSETS OF PERMANENT FUND.

Cash on hand January 1, 1899-----	\$ 2,812 53	
8,200 paving bricks-----	131 20	
150 cubic yards crushed stones-----	150 00	
50 cubic yards rubble stones-----	30 00	
Crusher, etc., at dock-----	1,500 00	
Buildings, elevator, screen etc., Grove		
street, removed to Willard's---	500 00	
Sprinkling wagon-----	275 00	
		<u>\$ 5,398 53</u>



Now that the five years, during which the money voted by the city for the work of permanent improvements, has passed, we take pleasure in submitting herewith a resume of what has been accomplished each year. The following statement shows where the work has been done and the amount of it :

	1894.			
Champlain St.,	26	feet wide,	631	feet in length.
North St.,	25	" "	939	" " "
Pearl St.,	31	" "	1,667	" " "
St. Paul St.,	18	" "	894	" " "
		Total,	4,131 feet.	

	1895.			
South Battery St.,	36	feet wide,	1,197	feet in length.
North Champlain St.,	31	" "	909	" " "
North St.,	24	" "	580	" " "
Church St.,	31	" "	363	" " "
St. Paul St.,	18	" "	850	" " "
Winooski Road,	18	" "	1,100	" " "
		Total,	4,999 feet.	

	1896.			
Winooski Road,	18	feet wide,	4,900	feet in length.
St. Paul St.,	18	" "	2,960	" " "
Bank St.,	31	" "	345	" " "
Pine St., $\frac{1}{2}$ ,	26	" "	and	
$\frac{2}{3}$ ,	31	" "	1,148	" " "
Elmwood Ave.,	31	" "	1,586	" " "
		Total,	10,939	

1897.

College St., concrete,	35	feet wide,	344	feet in length.
Cherry St., macadam,	25½	" "	762	" " "
Interval Ave., "	25½	" "	1,478	" " "
	18	" "	706	" " "
Main St., "	37½	" "	450	" " "
	45	" "	1,253	" " "
St. Paul St., "	25½	" "	906	" " "
Willard St., "	30½	" "	1,118	" " "
Winooski Ave., "	25½	" "	1,255	" " "

---

Total, 8,272 feet.

1898.

Church St., brick,	35	feet wide,	798	feet in length.
Champlain St., macadam,	25½	" "	1,627	" " "
First St., "	18	" "	1,060	" " "
King St., "	30½	" "	355	" " "
North St., "	24½	" "	1,201	" " "
St. Paul St., "	47	" "	420	" " "
Union St., telford,	21½	" "	805	" " "
	21½	" "	350	" " "
macadam,	25½	" "	293	" " "
telford,	25½	" "	198	" " "
Winooski Ave., telford,	35½	" "	685	" " "

---

Total, 7,792 feet,

St. Paul St., resurfaced,	35	feet wide,	404	feet in length.
Champlain St., gravel,	25.6.	" "	744	" " "

---

Total -----8,890 feet.

## RECAPITULATION.

1894—	4,131	feet.
1895—	4,999	“
1896—	10,939	“
1897—	8,272	“
1898—	7,792	“
1898—	404	“ redressed.
1898—	744	“ gravel.

Total, 37,281 feet.

## STATEMENT OF COST

Per square yard of the various kinds of improved road-  
way as constructed under the Permanent Improvement Fund.

IMPROVEMENT.	LOCATION.	YARDS.	WIDTH OF ROADWAY.	PER SQ. YARD.
Concrete and brick,	College St.	1,398	35 feet.	\$2.01
Brick,	Church “	3,091	35 “	1.93
Macadam, 8 inch,	First “		18 “	.75
“ “	Champlain		25 “	.72
“ “	North “		24 “	.67
“ “	Winooski ave.		35 “	.62½
Gravel (Cold Spring)	Champlain,	2,108	25 “	.28
Macadam and Telford,	Union St.	{ 2,753yds } { Macadam. } 21½ ft { 1,397yds } and { Telford. } 25½ ft		.82
Macadam, 8 inch,	Pine St.,	(1896)	26&31	“ .55
Macadam and Telford,	Winooski Rd.	(1895-96)	18	“ 1.00
Telford, 12 inch,	St. Paul St.,	(1894-95)	18	“ 1.01
Macadam, 8 inch,	Bank St.,		31	“ .53

Our citizens, we believe, are well satisfied with the wisdom of the plan adopted five years ago. Burlington stands in the very front rank of the progressive towns and cities of New England in the matter of the permanent improvement of its streets and the excellent care of what has been constructed. The wisdom of the Board in employing in the first instance a thoroughly competent civil engineer to set the work in motion has been demonstrated, and has met the approval of the officers of the street department. That the Street Commissioners and the superintendent of the streets and City Engineer have thoroughly carried out the suggestions of Engineer Bacot in regard to construction, and have continued the work in a most satisfactory manner we are glad to testify. Of the work that has been done in the past year we would call attention to the paving of the north part of Church street with vitrified brick. After careful investigation the Advisory Board was unanimously of the opinion that this style of pavement was the best adapted to the streets where heavy traffic was necessary and where the street railroad track was placed, of any of the different methods of paving. We were able to get the vitrified brick at a reasonable price owing to the fact that they could be transported by water from the place of manufacture on the Hudson river to our own dock, and the cost of the work, in the thorough manner in which it was done upon concrete base, was moderate.

The other pieces of work of which we would speak was having two blocks of South Champlain street improved with what is known as Cold Spring Gravel, a deposit at the south end of Lake Champlain, which is brought here by boat at a low price. The cost of these two blocks will be seen by the report above to have been \$509.27. If all the gravel had

been paid for, the whole cost would have amounted to about \$550.00, but one boat load was given to the city as a sample lot. Reckoning the cost at \$550.00, the cost per square yard is about 28 cents, or 40 per cent. of the cost of an 8-inch macadam made with crushed stone.

It is the opinion of the Superintendent of Streets that this gravel is a very excellent material for our streets, much harder than the gravel obtained from the Brooks farm, and therefore will wear much longer. If after further trial this opinion seems to be correct, the Advisory Board believes this gravel can be used to improve the streets not used for heavy traffic.

It will be seen that there is the sum of \$2,812.53 in cash remaining from the fund, which can be used during the coming season for permanent work. There is also an amount of material on hand estimated in value at \$311.20 and the value of the crusher at the dock and of the buildings and machinery at Willard's Ledge that have been paid for by the Permanent Fund is estimated at \$2,000.00. Also the sprinkling wagon \$275.00. We believe that the Board of Street Commissioners are willing to take this property from the Permanent Fund and allow the sums above mentioned, which can then be applied to further construction of permanent work up to the sum total of \$5,398.53.

A good number of our citizens have expressed themselves as not only satisfied with the work that has been done under this fund in the past, but have expressed the hope that an additional fund might be voted by the city to continue such work until the whole city, where it could be profitably done, had the advantage of it. This Board believes that an additional sum of \$50,000 to be expended at the rate of \$10,000

per year for the next five years could be used to great advantage. It would cover more territory than the same amount has done in the past. The streets which needed the most expensive work upon them have already been improved; also if the Cold Spring gravel proves to be as good as it is now thought, that can be used on a large number of the streets at the expense of about one-third of other methods of improvement, so that this additional sum would each year much enlarge the area of improvement. We trust that in the near future our citizens may be willing to vote this additional amount.

In this report, which practically covers the last of the work which was put under the supervision of this Board, we desire to express our obligations to your Honorable Board, and to the Board of Street Commissioners, and the Superintendent of Streets and City Engineer, as well as the employees of the department for their co-operation with us and for their faithful work in the interest of the city.

Very respectfully submitted,

W. J. VAN PATTEN,	} Advisory Board.
E. M. SUTTON,	
C. P. SMITH,	

# REPORT

## OF THE

### Board of Street Commissioners.

*To the Honorable, the City Council :*

GENTLEMEN :—The Board of Street Commissioners of the City of Burlington submit to your honorable body their Eighth Annual Report, for the year ending December 31st, 1898.

The following figures will show the amount expended by us in the various departments during the year, viz. :

Street Department-----	\$49,820 79
Permanent Improvement Fund-----	23,680 40
Sewer Department-----	4,589 70
Electric Light Department-----	12,673 13
Making a total of-----	<u>\$90,764 02</u>

#### STREET DEPARTMENT.

For use in this department we have received from the City Treasurer the following several amounts :

Balance on hand January 1, 1898, \$517.94 ; from the highway tax \$25,631.09 ; from our share of the State highway tax \$320.27 ; from a special appropriation for Buell street extension \$700.10 ; which makes the total amount for our use during the year \$27,169.40.



There has been paid into the city treasury for curbing, sidewalk and sprinkling assessments \$19,713.38 and for work done for other departments of the city, including the sale of crushed stone, collected by the Superintendent of Streets, \$3,264.08 which amount having been used by this department the second time, makes the total amount received by this department \$50,146.86. Of this sum there has been expended by our Superintendent of Streets during the year, as shown by his report, \$49,820.79, leaving an unexpended balance on hand January 1, 1899 of \$326.07.

## STREET DEPARTMENT.

### PERMANENT IMPROVEMENT FUND.

In this department we had on hand January 1, 1898 a balance of \$5,187.06 and there was placed to our credit the amount voted by the city for permanent work \$20,000.00 and the amount collected by our Superintendent of Streets for crushed stone used by the city for various purposes, \$1,305.87, making a total of \$26,492.93. Of this sum we have expended, as mentioned in the report of the Superintendent of Streets, \$23,680.40, leaving on hand January 1, 1899, an unexpended balance of \$2,812.53. We also have invested in stone crushers, crushed stone, paving brick, sprinkling wagon, etc., about \$2,500.00 which will give this department in all about \$5,300.00, which will be expended under the direction of the members of the Advisory Board. For further particulars as to the expenditure of this fund during the year we refer you to the report of the Advisory Board.

## SEWER DEPARTMENT.

The amount appropriated by the City Council and placed to our credit by the City Treasurer for sewer purposes was \$1,000.00, and there was assessed against the abutting property for work done, as ordered by the City Council and paid into the city treasury, \$3,092.31, and for work done by our Superintendent of Streets and collected by him, \$369.62, making a total of \$4,461.93.

We have expended during the year \$4,589.70, which leaves an overdraft of \$127.77, but we have stock on hand enough to more than meet the above mentioned shortage.

## ELECTRIC LIGHTS.

The amount appropriated by the City Council for electric lights for the year 1898 was \$12,700.00, and the cost of the same for the year was \$12,673.13, leaving an unexpended balance of \$26.87.

We now have 161 lights of 2 000 candle power each, which are supposed to burn every night, and all night. In our last report we said, "we believe it to be for the best interests of the city that the electric lights should be lit every night, and burn all night during the year," etc., since which time the above mentioned suggestion has been carried out, and we are sure the citizens of our city are well satisfied with the result.

A few more lights could be placed to advantage, and we would recommend that there be placed to the credit of this department for the year 1899, the sum of \$13,500.00.

---

We refer you to the report of our Superintendent of Streets for an itemized statement of the amount spent in the above mentioned departments, and for what purpose it was expended. For the uniform courtesy shown us by your honorable board, and your hearty co-operation in our work, we tender you our sincere thanks.

Respectfully submitted,

N. K. BROWN,	}	Street Commissioners.
J. B. HENDERSON,		
FRANK S. LANOU,		

# REPORT

## OF THE

### Superintendent of Streets.

*To the Honorable Board of Street Commissioners, of the City of Burlington :*

GENTLEMEN :—I have the honor to present herewith my report for the period, January 1st, 1898, to December 31st, 1898, inclusive.

#### SEWER DEPARTMENT.

##### RECEIPTS.

Appropriation -----	\$1,000 00
Collections, sewer assessments-----	3,092 31
Collections, paid City Treasurer-----	369 62
Overdraft-----	127 77
	\$4,589 70

##### DISBURSEMENTS.

Drawn from City Treasurer-----\$4,589 70  
 The following statement shows the items of disbursements :

##### SEWERS.

Archibald street-----	\$ 195 13
Beech street-----	211 84
Drew street-----	357 99
Germain street -----	249 90

## STREET DEPARTMENT.

145

---

Prospect street-----	354 66	
Willard street-----	392 77	
Williams street-----	406 09	
Wilson street-----	307 40	
Winooski avenue-----	657 07	
	<hr/>	\$3,132 85

## MISCELLANEOUS.

General repairs, sewers-----	\$ 97 49	
Tools, stock and tile-----	1,359 36	
	<hr/>	\$1,456 85
		<hr/>
		\$4,589 70

The overdraft (\$127.77) is fully covered by the amount of stock on hand.

## STREET DEPARTMENT.

## RECEIPTS.

Balance January 1, 1898-----	\$ 517 94
Highway tax-----	25,631 09
Assessments, sidewalk and curbing--	14,336 19
"    sprinkling -----	5,377 19
Appropriation for Buell street-----	700 10
State highway tax, reapportionment--	320 27
Collections by Superintendent of Streets:	
Public buildings and	
parks -----	\$ 135 80
Health department----	512 91
Sale of material-----	1,100 46
Bills due-----	355 75
	10

---

Snow work-----	327 35	
Winooski bridge-----	26 38	
General repairs-----	805 43	
	<hr/>	\$ 3,264 08
City team earnings (ledger item)----	3,646 48	
	<hr/>	\$ 53,793 34

## DISBURSEMENTS.

Drawn from City Treasurer-----	\$49,820 79
City team earnings (ledger item)-----	3,646 48
	<hr/>
	\$ 53,467 27
Balance January 1, 1899-----	\$ 326 07

The following statement shows the items of disbursements :

## STREETS.

Archibald street-----	\$ 65 02
Beech street-----	14 00
Blodgett street-----	32 05
Buell street-----	474 82
College street-----	551 33
Drew street-----	38 35
East avenue -----	10 55
Elm street-----	200 02
Front street-----	13 50
Greene street-----	123 14
Grove street-----	63 85
Hayward street-----	84 90
Henry street-----	138 50
Hyde street-----	16 75
Kilburn street-----	94 76
King street-----	6 75

---

Lakeside avenue-----	41 30	
Lyman avenue-----	15 00	
Main street-----	128 50	
Mansfield avenue-----	107 18	
Marble avenue-----	18 00	
North avenue-----	29 28	
North street-----	226 56	
Park avenue-----	60 20	
Pearl street-----	1,259 14	
Pine street-----	171 92	
Prospect street-----	55 05	
Queen City Park road-----	108 10	
St. Paul street-----	185 25	
Shelburne street-----	704 17	
Spear street-----	85 78	
Spruce street-----	84 75	
Weston street-----	39 55	
Willard street-----	6 95	
Winooski avenue-----	85 49	
	<hr/>	\$ 5,340 46

## CURBING.

Archibald street-----	\$ 21 41
Booth street-----	323 07
Buell street-----	555 01
Champlain street-----	2,181 17
Cherry street-----	190 95
Church street-----	2 80
Elm street-----	695 93
First street-----	40 07
Greene street-----	10 55
Henry street-----	666 41



---

Hyde street-----	41 95
Interval avenue-----	7 79
King street-----	349 54
North street-----	1,361 68
Peru street-----	678 54
Pearl street-----	28 05
Prospect street-----	653 43
Spruce street-----	825 31
Union street-----	237 05
Weston street-----	281 73
Willard street-----	625 38
Winooski avenue-----	546 41
	<hr/> \$ 10,324 23

## PAVING GUTTERS.

Booth street-----	\$ 55 93
Buell street-----	68 32
Champlain street-----	73 99
Elm street-----	83 15
Henry street-----	120 70
King street-----	65 70
North street-----	8 90
Peru street-----	115 52
Prospect street-----	126 24
Spruce street-----	113 25
Weston street-----	34 45
Willard street-----	205 15
Winooski avenue-----	95 20
	<hr/> \$ 1,166 50

## GRAVELLING.

Prospect street-----	\$	371	56	
North avenue-----		1,261	04	
Summit street-----		48	81	
	-----	\$	1,681	41

## SIDEWALKS.

Archibald street-----	\$	13	82	
Booth street-----		197	86	
Buell street-----		299	42	
Champlain street-----		1,920	59	
Elm street-----		520	91	
Grant street-----		305	66	
George street-----		254	04	
Henry street-----		457	74	
Hyde street-----		20	00	
King street-----		154	82	
Main street-----		153	11	
North avenue-----		112	03	
North street-----		771	65	
Pearl street-----		5	40	
Peru street-----		553	90	
Prospect street-----		210	02	
St. Paul street-----		267	67	
Spruce street-----		45	63	
Union street-----		618	92	
Weston street-----		191	83	
Willard street-----		374	09	
Winooski avenue-----		502	16	
	-----	\$	7,951	27

## MACADAMIZING.

Grant street-----	\$	714 85	
		<u>          </u>	\$ 714 85

## BASINS.

Booth street-----	\$	21 02	
Buell street-----		9 23	
Drew street-----		51 51	
First street and Interval avenue-----		53 58	
Henry street and Weston street-----		48 96	
Henry street and Willard street-----		66 53	
King street-----		18 00	
North street and Willard street-----		38 18	
Orchard terrace and Buell street-----		44 38	
Pearl street near Greene street-----		9 15	
Shelburne street-----		2 90	
Union street-----		105 24	
Willard street-----		47 63	
Winooski avenue and Buell street---		61 61	
		<u>          </u>	\$ 577 92

## MISCELLANEOUS.

Office expenses-----	\$	242 94	
General repairs-----		2,738 48	
"        "        curbing -----		305 80	
"        "        paving -----		143 69	
"        "        flagging-----		39 15	
"        "        basins-----		41 15	
Crossings -----		51 33	
Cleaning basins-----		220 69	
Repairing tools-----		446 18	
Salary, City Engineer-----		500 00	

## STREET DEPARTMENT.

151

" Superintendent -----	795 00	
" Street Commissioners-----	350 00	
" Clerk -----	443 00	
Health department-----	56 68	
Snow work-----	1,892 90	
Tools and stock-----	1,398 87	
Sprinkling (current expenses)-----	6,394 98	
" (special account)-----	235 90	
" (tools and stock)-----	331 00	
Cleaning streets-----	2,320 95	
Trimming trees-----	406 85	
Individual accounts-----	168 63	
Bridge, Winooski-----	278 47	
" Heineberg-----	19 01	
City team account-----	2,550 47	
Insurance -----	74 43	
	<hr/>	\$ 22,446 55
		<hr/>
		\$50,203 19
Cash from City Treasurer-----	\$ 49,820 79	
City team earnings (ledger item)-----	3,646 48	
	<hr/>	\$53,467 27
Less collections paid City Treasurer-----	3,264 08	
	<hr/>	\$ 50,203 19

## PERMANENT IMPROVEMENT FUND.

## RECEIPTS.

Balance January 1, 1899-----	\$ 5,187 06	
Avails of bonds-----	20,000 00	
Sales of crushed stone-----	1,305 87	
	<hr/>	\$ 26,492 93

## DISBURSEMENTS.

Drawn from City Treasurer-----\$ 23,680 40

Balance January 1, 1899-----\$ 2,812 53

The following statement shows the items of disbursements:

Crusher at dock-----	\$ 688 52
Paving Church street-----	5,975 84
Gravelling Champlain street-----	509 27
Macadamizing Champlain street-----	3,325 11
“ First street-----	1,588 16
“ King street-----	1215 75
“ North street-----	1501 75
“ St. Paul street-----	1,921 55
“ Union street-----	3,348 65
“ Winooski avenue-----	1,324 93
Engineers and expenses-----	103 75
Supt. of Streets (part of salary)-----	100 00
Clerk (part of salary)-----	100 00
Steam roller, use of-----	300 00
Paving brick, bill of 1897-----	371 25
Sales of stone returned to City Treas.	1,305 87
	-----\$ 23,680 40

We, the undersigned have examined the books and vouchers, for the year 1898, of Herald Stevens, Superintendent of Streets, and find them correct.

GEO. W. BECKWITH,	} Auditors.
JOHN C. FARRAR,	
THOMAS FAILEY,	

Certain work performed of a permanent character to a large extent is as follows :

Booth street—Curbed, the gutters paved and a concrete sidewalk 5 feet in width laid, on the west side, thereby completing the work begun in 1897.

Buell street—Extended from Union street to Winooski avenue which is highly appreciated by the residents in the vicinity and the public in general. This portion was graded, curbed, the gutters paved, concrete sidewalks 5 feet in width laid, the roadway gravelled, and basins constructed to care for the surface water.

Champlain street—Curbed, the gutters paved and 5 foot concrete sidewalks laid on both sides from Maple street to Pearl street. Under the Permanent Fund an 8 inch macadam roadway was constructed from Pearl street to Main street and the roadway from Main street to Maple street gravelled with gravel obtained from Fort Ann, N. Y. This gravel is a new venture and we believe will prove satisfactory.

Church street—Under the Permanent Fund, the roadway paved with brick from Bank street to Pearl street. This is the first work of its kind performed in this city, and we expect satisfactory results from its use, as it is being used in large quantities in our most progressive cities.

College street—The roadway from Church street to Pine street, picked up with the steam roller and redressed with crushed stone.

Elm street—Curbed, the gutters paved and 5 foot concrete sidewalks laid from Adams street to Spruce street, except a portion on the west side opposite premises of B. B. Smalley, which was newly filled and not considered in condition to receive the improvement until next season.

First street—Under the Permanent Fund an 8 inch macadam roadway 18 feet wide constructed.

Grant street—An 8 inch macadam roadway was constructed from Elmwood avenue to Winooski avenue, and 5 foot concrete sidewalks laid on the north side the same distance and on portions of the south side.

Greene street—This street was partially graded from Hickok place to Pearl street, that portion having been ordered opened in 1897 but not put into condition for travel until this season.

Henry street—Curbed, the gutters paved and 5 foot concrete sidewalks laid. The roadway was dressed with heavy material taken from streets where a macadam roadway was being constructed.

North street—Curbed, the gutters paved and 5 foot concrete sidewalks laid from Champlain street to North avenue; under the Permanent Fund and an 8 inch macadam roadway was constructed for the same distance, the Burlington Traction Company paying one-third of the expense.

King street—Curbed and gutters paved from St. Paul street to Church street; under the Permanent Fund an 8 inch macadam roadway was constructed.

Pearl street—Curbing reset from Union street to Greene street and the roadway dressed with crushed stone.

Prospect street—Curbed, the gutter paved and a 6 foot concrete sidewalk laid on the west side from Pearl street to College street except that a considerable portion of the sidewalk was not laid owing to the lateness of the season.

St. Paul street—Under the Permanent Fund an 8 inch macadam roadway was constructed from Main street to King street and from King street to Maple street the roadway was



redressed with crushed stone. This completes a thorough stone road from South Union street to Winooski Bridge.

Peru Street—Curbed, the gutters paved and 5 foot concrete sidewalks laid from Champlain street to Elmwood avenue.

Shelburne street—The old wooden bridge across Potash brook replaced by a new iron bridge.

Spruce street—Curbed and the gutters paved from Union street to Willard street and a 5 foot concrete sidewalk laid on the south side for the same distance.

Union street—Curbed, the gutters paved and 5 foot concrete sidewalks laid from a point near Pearl street to Main street on those portions which had not been previously thus improved, excepting that portion from Buell street, a distance southerly on the east side which was not completed as to a sidewalk. Under the Permanent Fund the roadway for the same distance was improved partly with an 8 inch macadam and partly with a 12 inch telford, certain conditions of the existing roadbed necessitating the telford.

Weston street—Curbed, the gutters paved and 5 foot concrete sidewalks laid; also the roadway graded and dressed with heavy road material taken from other roads which were being permanently improved.

Willard street—Curbed, the gutters paved and 5 foot concrete sidewalks laid from Loomis street to North street.

Winooski avenue—Curbed, the gutters paved and 5 foot concrete sidewalks laid from Archibald street to First street and an 8 inch macadam roadway constructed for the same distance, part of the expense of the latter improvement being borne by the Burlington Traction Company.

Certain streets and portions of streets have been added to

the city's list of streets during the past year, viz. ; Buell street extended from Union street to Winooski avenue ; Greene street extended from Hickok place to Pearl street ; Luck street, which runs from Interval avenue to St. Louis street ; St. Louis street, which runs from Oak street to North Bend street and St. Mary street, which runs from Oak street to North Bend street.

But two crossings, both of stone, have been laid as follows :

One across Buell street at Winooski avenue.

One across Greene street at Pearl street.

TABLE OF SEWERS CONSTRUCTED IN 1898.

Where Laid.	Description.	Length. Feet.	Size In.	* M.H.	† L.H.	Assessed City.	Assessed Property.	Total Cost.
Archibald street.	Hyde street to Germain street.	337.29	10	-	2	\$22.01	\$ 173.12	\$ 195.13
Bank street.	Champlain street, easterly.	33.	12	-	-	-----	-----	+
Beech street.	Union street to Willard street.	337.20	10	-	-	3.55	208.29	211.84
Blodgett street.	North street, northerly.	47.	12	-	-	-----	-----	+
Bright street.	First street, southerly.	33.	8	-	-	-----	-----	+
Drew street.	North street to Strong street	317.66	10	1	-	.53	357.46	357.99
	{	314.42	12	1	-	)	-----	-----
Germain street.	Archibald street, southerly.	339	8	1	1	5.03	214.87	219.90
Prospect street.	North street, southerly.	609.6	10	-	1	-----	354.66	354.66
Willard street.	Beech street, northerly.	364.2	8	1	1	1.73	391.04	392.77
Williams street.	†L. H. So. of Paul, southerly.	469.5	10	-	1	2.33	403.76	406.09
Wilson street.	Prospect street, easterly.	340.3	8	1	?	-----	307.40	307.40
Winooski avenue	Decatur street to Archibald St.	807.92	10	1	1	5.36	651.71	657.07
Totals	-----	4,237.09		6	8	\$41.54	\$3,092.31	\$3,132.85

\* Man-holes. † Lamp-holes. ‡ Cost charged to general repairs, sewers.

The above sewers were constructed of Akron vitrified tile, circular in shape.

The following table shows the amount of curbing, paved gutters and concrete walks built in 1898 :

Streets.	Curbing. Feet.	Paving. Feet.	Concrete. Feet
Adams street.....	-----	-----	305.9
Booth street.....	570.03	581.03	578.98
Buell street.....	963.83	963.83	884.42
Champlain street.....	4,007.43	4,288.78	4,368.44
Elm street.....	1,056.74	1,101.04	1,010.32
George street.....	-----	-----	722.25
Grant street.....	-----	-----	1,005.02
Henry street.....	1,252.68	1,277.85	1,257.14
King street.....	631.12	677.09	-----
Main street.....	-----	-----	378.7
North street.....	2,299.75	2,342.25	2,223.7
Peru street.....	1,219.02	1,282.46	1,602.71
Prospect street.....	984.89	1,035.38	435.92
Spruce street.....	1,242.28	1,276.38	882.21
Union street.....	345.	364.	1,641.77
Weston street.....	527.45	545.7	545.69
Willard street.....	1,145.61	1,171.7	1,141.1
Winooski avenue.....	1,013.23	1,131.29	1,367.39
Totals.....	17,259.24	18,038.78	20,351.61

### AMOUNT OF CONCRETE LAID IN 1898.

WHERE LAID.	AMOUNT.
Adams street.....	138.77 square yards.
Booth street.....	315.97      "
Buell street.....	485.68      "
Champlain street.....	2,426.85      "
Elm street.....	575.96      "
George street.....	411.19      "
Grant street.....	557.82      "
Henry street.....	700.9      "
Main street.....	215.83      "

North street-----	1,236.95	“
Peru street -----	888.87	“
Prospect street-----	290.58	“
Spruce street-----	528.8	“
Union street-----	916.66	“
Weston street-----	295.5	“
Willard street-----	665.03	“
Winooski avenue-----	745.08	“
Total -----	11,396.44	square yards.

## LIST OF TOOLS AND STOCK

## AT THE CITY BARN.

Eleven horses, 4 double wagons, 1 truck wagon, 1 express wagon, 5 dump carts, 1 single sleigh, 1 pair traverse sleighs, 3 pairs two-horse sleds, 8 snow plows, 1 patent snow plow, 9 snow plow whiffletrees, 3 pairs eveners and whiffletrees, 6 neck yokes, 3 sets double harnesses, 4 cart harnesses, 1 single harness, 1 lap robe, 7 street blankets, 11 stable blankets, 11 summer blankets, 11 halters, 2 currycombs, 3 brushes, 3 pails, 2 pair clippers, 2 pair shears, 1 wagon jack, 1 rubber blanket, 7 sets rope tugs, 5 sets of hames and tugs, 1 hay cutter, 2 hay forks, 2 manure forks, 5 tons of rye straw and 7 tons of hay.

## AT THE CITY MARKET. (STREET DEPARTMENT.)

One steam road roller, 11 street sprinkling carts, 1 street sweeper, 1 heavy horse road roller, 1 snow roller, 1 road machine, 1 wheel harrow, 2 two-wheel scrapers, 1 steel scraper, 1 pole scraper, 2 plows, 3 street hand carts, 1 Bagnol & Land diaphragm pump, 2 galvanized iron pumps, 1 grindstone, 1 emery wheel, 1 work bench and vise, 1 iron vise, 1

set of chisels, 3 hand saws, 2 cross-cut saws, 1 limb cutter, 1 pair spurs, 2 dozen picks, 8 grub hoes, 3 axes, 2 trowels, 4 monkey wrenches, 3 iron wrenches, 2 hydrant wrenches, 1 marking stamp (iron), 6 scoop shovels, 4 short-handle shovels, 8 long handle shovels, 1 long handle spade, 20 street hoes, 6 street brooms, 4 paving hammers, 4 stone hammers, 10 breaking hammers, 8 sledge hammers, 1 adze, 9 iron bars, 1 tamping bar, 100 feet  $\frac{3}{4}$  inch rubber hose, 2 sewer rods, 4 well ropes, 1 pair hand trucks, 3 wheelbarrows, 1 wagon platform (for sewer pipe), 3 straight edges, 1 sprinkling pot, 8 street guards, 3 sets pulley blocks, ropes, etc., 1 set chain blocks, 1 sand screen, 1 wagon shoe, 4 small iron clamps, 1 grass scythe and snath, 1 bush scythe and snath, 2 planes, 3 nail hammers, 1 hatchet, 1 screw driver, 1 draw shave, 1 saw set, 1 belt punch, 2 mallets, 3 axe handles, 1 keyhole saw, 2 augers, 4 sponges, 4 levels, 6 water pails, 3 paint brushes, 24 snow shovels, 4 chains, 3 iron rakes, 2 short ladders, 1 step-ladder, 2 dozen lanterns, 1 pair pliers, 1 pair snips, 1 try square, 4 pitching tools, 6 chisels, 50 pounds of nails, 1 dozen files, 200 square feet of flagging, 1 well corner, 2 set grate stones, 175 feet of crosswalk and 4 baskets.

AT THE CRUSHER. (ON DOCK.)

One boiler and engine, 1 Blake crusher, No. 4, 4 oilers, 9 wrenches, 2 pipe wrenches, 1 pipe cutter, plate and dies, 1 vise, 2 chains, 2 iron bars, 1 rake, 4 long-handled shovels, 1 scoop shovel, 25 gallons of oil, 1 pail, 1 wheelbarrow, 1 steam hoister, 1 derrick, 4 skids and 3 chains.

AT THE CRUSHER. (WILLARD'S LEDGE.)

One boiler and engine, 1 Champion crusher and attach-

ments, 1 chain, 4 shovels, 1 scoop shovel, 5 iron bars, 6 striking hammers, 1 nail hammer, 2 breaking hammers, 1 axe, 30 feet of drills, 6 picks, 1 iron rake, 1 hatchet, 2 wrenches, 5 gallons of oil, 2 lanterns, 1 steam drill and fittings, 1 screen, 1 ton of coal, 1 blacksmith's bellows, 1 anvil and 1 vise.

## OFFICE FURNITURE AND FIXTURES.

Superintendent's office: 1 stove, 1 safe, 1 desk, 3 tables, 1 map of sewers, 1 city map, 7 chairs, 1 waste basket, 2 spittoons, 1 broom, 1 water tank, stationery, ink, etc.

City Engineer's office: 1 stove, 2 tables, 1 drawing table, 1 desk, 4 chairs, 2 chests of drawers, 1 wall map-case with maps, 2 spittoons, 1 waste basket, 1 pair shears, stationery, ink, etc.

## AT CITY DOCK. (SEWER DEPARTMENT.)

Sewer pipe: 138 ft. 15 in.; 416 ft. 10 in.; 270 ft. 8 in.; Y's: 39, 18 in.; 3, 15 in.; 100, 12 in.; 5, 10 in.; 15, 8 in.; T's: 3, 12 in.; 2, 10 in.; 6, 8 in.; 2, 6 in.; 4, 5 in.; Traps: 4, 12 in.; 7, 10 in.; 2, 8 in.; Reducers: 2, 15 in. by 12 in.; Bends: 10, 8 in.; Plank: 1,500 feet.

## AT CITY DOCK. (IMPROVEMENT FUND.)

8,200 paving brick; 150 tons crushed stone; 50 tons rubble stone.

Respectfully submitted,

HERALD STEVENS, Supt.



# REPORT

## OF THE

# CITY ENGINEER.

---

*To the Honorable the City Council :*

GENTLEMEN :—The annual report of the City Engineer for the year ending December 31, 1898, is herewith respectfully submitted.

The report of this department is, as usual, brief owing to the fact that the details and expense of construction may be found in the report of other departments.

The customary work of giving lines, grades and elevations for curbing, grading and sidewalks was given the street department upon the following named streets: Booth street 570.03 feet curbing and 578.93 feet walk, Buell street 963.83 feet curbing and 884.42 feet walk, Champlain street 4,007.43 feet curbing and 4,368.44 feet walk, College street 250 feet curbing reset, Elm street 1,056.74 feet curbing and 1,010.32 feet walk, George street 722.25 feet walk, Grant street 1,005.02 feet walk, Henry street 1,252.68 feet curbing and 1,257.14 feet walk, King street 631.12 feet curbing, Main street 378.7 feet walk, North street 2,299.75 feet curb and 2,223.7 feet walk, Pearl street 1,210 feet curb reset, Peru street 1,219.2 feet curbing and 1,602.71 feet walk, Prospect street 984.89 feet curbing and 435.92 feet walk, Spruce street 1,242.28 feet

curbing and 882.21 feet walk, Union street 1,732 feet curbing, including old curb reset and 1,641.77 feet walk, Weston street 527.45 feet curbing and 545.69 feet walk, Willard street 1,145.61 feet curbing and 1,141.1 feet walk, and Winooski avenue 1,370.23 feet curbing, including old curb reset and 1,367.39 feet walk, making a total of 20,463.24 feet curbing, including the old curb reset, and a total of 20,351.61 feet of walk.

The measurements for curbing include returns for driveways and street intersections. After completion, the work was measured and assessment maps were made, showing number of feet of curbing and square yards of walk to be assessed against each property abutting the above improvements.

Stakes were set for grading 300 feet on Blodgett street, 600 feet on Drew street, 200 feet on Greene street, 200 feet on Hyde street and 900 feet on North street. Grade was also given for resurfacing 820 feet of macadam roadway on College street, for building 570 feet of 8 inch macadam roadway on Grant street, and for rebuilding 600 feet of macadam on Pearl street.

The work that was chargeable to the Permanent Improvement Fund was as follows: Grade was given on Church street for 797.9 feet and the area improved was 3,090.66 square yards, Champlain street 2,322 feet, area 6,578.99 square yards, First street 1,060 feet, area 2,120 square yards, King street 355 feet, area 1,203 square yards, North street 1,201 feet, area 3,269.4 square yards, St. Paul street 824 feet, area 3,719.3 square yards, Union street 1,656 feet, area 4,139.1 square yards, Winooski avenue 685 feet, area 2,279.8 square yards, making a total length of 8,890.9 feet of roadway with a total area of 26,400.25 square yards.

Work that was done on the above named streets at their intersection with other streets is included in the above figures.

Of the stone used upon the streets during the past season 7,286 cubic yards were received at the city dock from the quarries at Isle La Motte and the remainder of the stone used, with the exception of a few hundred yards, was taken from Willard's ledge, the "Edgcumbe quarry" having been abandoned.

The customary work for the sewer department consisted in giving the necessary lines, grades and elevations for the construction of sewers in the following named streets :

Archibald, Bank, Beech, Blodgett, Bright, Drew, Germain, Prospect, Willard, Williams and Wilson streets, and Winooski avenue.

After completion of the work, measurements were taken and maps and plans made, showing owners' names and the number of feet of frontage of the abutting property ; these maps and plans were used in making out the assessments. Maps were also made which not only gave the frontages but the connections, openings, direction of flow, etc., which are preserved for future reference.

Grade and lines were also given for the construction of the following street basins :

Two on Drew street, one at the intersection of First street and Interval avenue, and one on Willard street.

For the water department, lines, grades and elevations have been given on the following named streets :

Champlain, First, Kilburn and Lafountain streets, Mansfield avenue, North Bend, Pitkin, Rose and Ward streets. The right of way from Lake street to the pumping station was also located.

Street lines or grades or both have been given to applicants who intended to build or otherwise improve their property. Correct street numbers have also been given to those applying for them.

The following is a tabulated statement of the work completed on the streets and sewers, and is based upon previous reports of the City Engineer :

	1898. Feet.	Total Miles.
Length of road opened in the city-----	1,142.46	55.179
Length of paved and macadamized roads---	7,322.4	16.656
Length of graveled roads-----	2,640.6	15.678
Length of sidewalk curbed and flagged----		8.628
Length of sidewalk concreted, (previously curbed) -----	4,816.22	
Length of sidewalk curbed and concreted--	15,512.69	1.7833
Length of sidewalk curbed only-----	1,746.55	4.549
Length of sidewalk concreted only-----	22.7	0.844
	1898.	Total.
Number of concrete crossing relaid-----	1	
Number of concrete crossings discontinued--	2	
Number of concrete crossings-----		86
Number of stone crossing relaid-----	1	
Number of stone crossings discontinued---	9	
Number of stone crossings (new)-----	2	143
Number of street catch basins discontinued	2	
Number of street catch basins rebuilt-----	1	
Number of street catch basins (new)-----	17	198
Number of sewer connections-----	90	
Number of sewer connections (since 1887)--		1,105

## LENGTH OF NEW SEWERS BUILT IN 1898.

8 inch vitrified pipe-----	1,076.5 feet
10 inch vitrified pipe-----	2,875.93 "
12 inch vitrified pipe-----	397.66 "
	<hr/> 4,350.09 feet.

## TOTAL LENGTH OF SEWERS.

Size.	Cement Pipe.	Brick.	Vitrified Pipe.	Stone.	Total.
8-inch -	365. ft.	-----	6,191.25 ft.	-----	6,556.25 ft.
10-inch -	-----	-----	12,180.35 "	-----	12,180.35 "
12-inch -	9,273. "	-----	50,599.63 "	-----	59,872.63 "
15-inch -	-----	976. ft.	9,161.55 "	-----	10,137.55 "
18-inch -	2,713.2 "	1,788.2 "	8,407.25 "	-----	12,908.65 "
20-inch -	-----	-----	1,127.5 "	-----	1,127.5 "
24-inch -	360. "	1,748. "	1,207.5 "	-----	3,315.5 "
30-inch -	-----	2,602. "	-----	-----	2,602. "
36-inch -	-----	5,079.9 "	-----	-----	5,079.9 "
36x48-inch	-----	-----	-----	1,600 ft.	1,600. "
48-inch -	-----	1,047.5 "	-----	-----	1,047.5 "
60-inch -	-----	125. "	-----	-----	125. "
72-inch -	-----	600. "	-----	-----	600. "
Totals..	12,711.2 ft.	13,966.6 ft.	88,875.03 ft.	1,600 ft.	117,152.83 ft.

Equal to 22.188 miles.

Respectfully submitted,

H. M. McINTOSH,

City Engineer.

---

THIRTY-THIRD ANNUAL REPORT  
OF THE  
CHIEF ENGINEER  
OF THE  
FIRE DEPARTMENT.

---

*To the City Council of the City of Burlington :*

GENTLEMEN :—I herewith submit to your honorable body my annual report as Chief Engineer of the Fire Department of Burlington, for the year ending December 31, 1898. This report includes a detailed statement of all fires and alarms that have occurred during the year, with the losses and insurance as near can be ascertained.

It also contains an inventory of the equipment and effects of each fire station, with a report of the condition thereof and a table of facts relating to the force of firemen in the present service, together with certain recommendations and suggestions which in my judgment will tend to the improvement and successful working of the Fire Department.

MANUAL FORCE.

The present force of the department is as follows: Chief engineer, 2 assistant engineers, 4 captains, 4 drivers, 6 pipemen and laddermen, 1 electrician, 26 call men.

APPARATUS.

The apparatus of the department consists of the follow-

ing: 1 second-class Button steam fire engine, 1 Babcock double tank chemical engine, 3 four-wheel two-horse hose wagons, 1 hook and ladder truck, 1 exercise wagon, 2 hose sleds.

#### HOSE.

The department has at present 4,500 feet of good hose, 1,400 feet of medium quality hose, 250 feet of poor hose.

#### HORSES.

There are at present 8 horses in the department, all in active service. The condition of the horses in station 2 is fairly good. One team in stations 1 and 3 is not suitable for the present service. The department purchased one new horse in the past year.

#### HOUSES.

At present all of the houses are in a good state of repair with the exception of station 2—the back room should have a cellar wall. This would provide additional cellar room and contribute to the warmth of the building.

#### FIRE ALARM—CHANGES AND IMPROVEMENTS.

During the past year there have been several changes made. Loops have been taken out, thereby rendering the system more efficient. The lines have also been shortened, partly by combining with other lines, thus reducing the number of poles. The lines have been renewed and made more substantial. There has been one new box added in the past year, one of the latest improved keyless boxes, simple in construction and quicker in service, as it has a new improved shunt; no heavy current can interfere with it. It is absolutely non-interfering. Its superiority consists in an easy access and certainty in giving alarms. It has the improved



keyless self-operating doors, the best device ever produced to accomplish the object in view.

#### NUMBER OF ALARMS.

During the year there were 40 alarms rung in; 35 gong alarms, 5 still alarms and 2 false alarms.

#### FIRE LOSS.

The most reliable statistics place the total fire loss at \$189,516.68; insurance paid \$164,111.29; net loss \$25,405.39.

#### TRANSFERS.

Charles Niles from station one to station two, Dec. 5, 1898; W. H. Malaney from station two to station one, Dec. 5, 1898; James Cosgrove from station three to station one, Dec. 5, 1898; Henry Bouchard from station one to station three, Dec. 5, 1898.

#### RECOMMENDATIONS.

For the improvement and greater efficiency of the department I would make the following suggestions and recommendations which I trust will meet with your approval. I would recommend the immediate purchase of five new horses to replace those at stations one and three. The horses at these stations are unfit for the service that is required of them, and one horse should be for the use of the chief engineer and to serve as an extra horse in case of accident or sickness. With a suitable wagon, this equipment for the use of the chief engineer would be of great advantage and convenience to him and to the department in looking up defects in the fire alarm system, and the expense of the same would scarcely be greater than that now entailed in livery hire for this same purpose.

I would again call attention to the urgent need of some provision for better protection against fire in the southern portion of the city. This part of the city is growing fast, and is a considerable distance from the nearest fire station.

I make the following recommendation with the hope that your honorable body will be impressed with the same as being a very important step tending to the improvement and better workings of the fire department.

That the city build a suitable building on the city property on College street west of the Armory, which shall accommodate the present fire equipment of fire station one, and the hook and ladder truck now unsuitably provided for on Main street. The inconvenient arrangement for handling this piece of apparatus has been plainly apparent for some time. The management of the hook and ladder truck is not in harmony with or up to the standard of the management of the rest of the department, and the delay and slow manœuvering which results from such faulty arrangements for handling may at some time prove costly. Hence the suggestion for a building that shall accommodate this piece of apparatus in connection with the fire equipment of station one.

I have to suggest also, that in this new building the city ambulance might be stationed with advantage, and as a part of the fire department; that it would respond to all calls for its service from there, and that the team of horses to be used on the hook and ladder truck could be used on the ambulance, and the expense to the city of keeping the ambulance under the present conditions would thereby be avoided.

I would also suggest that all of the stations be connected with the public telephone, as in several instances still alarms have been sent in and all have had to be sent to station one,

this being the only station connected with the central telephone office.

I would also recommend the purchase of a new exercise wagon, as the one now in use is in an unsafe condition, and that additional fire alarm boxes and hydrants be placed in different parts of the city where they are most needed.

#### ELECTRICAL INSPECTOR.

As this is an important matter in connection with the fire department, I feel it my duty to again call your attention to this subject. I would recommend that there should be a city electrician, and that he shall have the supervision of the construction of all wires and appliances used in the interior of all buildings, public or private, and shall have supervision of every wire and appliance within any building designed to carry or supply electrical current, and shall have the right to prohibit the use of any wire or appliance which shall be defective or dangerous either in material or workmanship. Experience is teaching us that in the construction of wires and appliances designed for electrical purposes upon public streets and in private ways, there is great danger to life and property, unless such work is properly performed. Up to this time there has been no adequate means provided by the city for an intelligent supervision of such work. A longer delay in this matter may bring serious results.

#### REMARKS.

I would suggest that the building inspectors be empowered to examine all buildings being erected or repaired, and that they have authority to correct any faulty construction which would add to the fire or other risks. I would call your attention to our places of amusement. The owners,

managers, or those who have charge of such places, should provide adequate means of communicating alarms of fire, accident or danger either to the police or fire department, and also sufficient fire hose, extinguishers, fire doors, and similar apparatus for preventing or extinguishing fires as the board having control of the extinguishment of fires shall direct, and shall also see that no obstruction or anything whatever shall be placed in any aisle or passageway in such place of amusement. Authority should also be given to detail one or more firemen to places of amusement to see that such regulations are carried out.

Not one of our places of amusement have any means for extinguishing fires, nor are they supplied with a sufficient amount of hose, pipes or extinguishers. None of them have a fire curtain to drop in an emergency, and no means of communicating with the police or fire department in case of a fire, accident or danger.

There is one more very important subject to which I desire to call your attention. For some time the matter of acetyline gas has been under discussion all over the United States, and in a great many places rules and regulations concerning its manufacture and the storage and conveyance of calcium carbide have been adopted.

There is a large amount of this gas being used in this city at present, and no doubt the amount will be increased each year. As acetyline gas is of a highly explosive nature, being twelve times more explosive than any other gas, and as the calcium carbide, through disintegration by moisture, forms the gas, it will be readily seen that rules and regulations should be adopted for the usage and storage of the same.

I would also call attention to the fact that 90 per cent. of

all the fires during the year were put out with the chemical engine. Its service where prompt measures were required, has been invaluable, not only in saving property from fire, but where damage would have resulted from the use of water otherwise required.

I will not deny myself the pleasure of again calling attention to the remarkable fine showing made by the fire department the past year, there being but one fire of any magnitude since the administration of the paid fire department.

The fire which took place on the morning of December 24, resulting in the total destruction of the lumber yard, planing mill and three dwelling houses in the district bounded by College, Battery and King streets, was the worst fire ever experienced in this city. This fire was stubbornly fought inch by inch, and every fireman, as well as many private citizen and city officials, who rendered assistance are deserving great praise. It was fought under more than ordinary disadvantages, such as delay in sounding alarm, the time of the fire, the fierce wind, and its being incendiary, breaking out in four different locations. I can see no way how this fire could have been subdued in less time and with less destruction.

Valuable assistance was rendered by the Chief Engineer of the Winooski Fire Department, Dr. E. A. Burdick, and the Winooski Steam Fire Engine Company, and in behalf of our city I wish to extend to them our grateful thanks.

As a matter pertaining to the interest of the department I would mention that I attended the twenty-sixth annual convention of the International Association of Fire Engineers, of which I am a member, which was held at St. Louis, Mo., Oct. 18 to 21, 1898, inclusive.

Without doubt the information obtained well repaid the expense incurred.

Valuable information is obtained at these meetings, for you derive benefit from others' experience as to improved methods for extinguishing fires, and you have an opportunity of witnessing the workings of all new and improved fire apparatus and devices and station equipments. Progress on these lines is made each year, and it is of benefit to a municipality to keep in touch with all new ideas, and to be able to select the practical and economical ones.

I desire to thank your honorable board for your efforts in promoting the efficiency and good standing of the present fire department, and can assure you that harmony, good will and discipline prevail throughout the same. I would also extend my thanks to the respective assistant engineers for their constant assistance, and to the captains and their men in command, and to the call men for their uniform, prompt and efficient service.

Respectfully submitted,

MOSES MURRAY,  
Chief Engineer Burlington Fire Department.

## STATION NO. 1.

LOCATED ON CHURCH STREET.

With this company is a chemical engine built by the Babcock Fire Extinguisher Co., of Chicago, Ill., placed in service March 1, 1895. It has two fifty-gallon tanks, weighs 4,930 pounds when in use, and is drawn by two horses. Also a two-horse four-wheeled hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., placed in service March 21, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet  $2\frac{1}{2}$  inch rubber-lined hose.

## ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
1	W. J. Brown,	Captain,	14 Walnut,	41	Mar. 31, 1895
4	D. Archibald,	Driver,	15 Center,	24	Sept., 1895
5	H. M. Riley,	Electrician,	Elmwood Ave.,	36	July 1, 1895
6	Jos. Baker,	Driver.	457 St. Paul,	33	Feb. 2, 1897
14	F. F. Miller,	Engineer,	9 So. Champlain,	27	Sept. 1, 1897
12	W. H. Malaney	Pipeman.	24 Crombie,	29	Mar. 27, 1895

At this station there are 13 call men.

## INVENTORY STATION NO. 1. APPARATUS ROOM.

One hose wagon complete, 1 chemical engine, 1 clock, 1 indicator, 11 pairs rubber boots. 6 rubber hats, 1 ball nozzle and pipe, 1,350 feet rubber-lined hose in good condition, 1,350 feet rubber-lined hose in fair condition, 1 respirator, 1 27-foot sliding pole, 10 pairs rubber mittens, 3 play pipes, 1 deluge set, 20 rubber coats, 3 hydrant wrenches, 1 perfection holder, 30 feet  $\frac{1}{2}$ -inch rope, 5 spanners, 3 hose patches, 5 ladder straps, 2 wrenches, 1 sliding pole guard, 1 hydrant gate, 1 exercise wagon, 1 6-inch bell, 50 feet garden hose in good



condition, 4 horses, 2 full sets double harness, 4 halters, 4 street blankets, 4 surcingles, 4 leading chains, 2 whips, 2 sets combs and brushes, 2 grain boxes, 2 2-qt. measures, 2 stable forks, 1 hay fork, 2 stable brooms, 2 stall hooks, 5 water pails, 5 sponges, 1 box harness soap, 1 small and 1 large basket, 2 wet bandages, 2 heavy bandages, 2 ankle boots, 1 medicine chest, 2 boxes shoe calks, 1 calk wrench, 2 extra snaps, 4 stalls complete, 1 wagon jack, 1 box wagon grease, 2 scoop shovels, 7 bushels oats. 2 bales hay, 1 bale straw, 4 harness hangers, 1 oil stone, 1 work bench, 1 wood vise, 1 iron vise, 1 water cooler, 1 gas lighter, 12 cuspidors, 1 hot water heater and boiler. 1 ice chisel 1 wire door mat, 6 old chairs, 1 water sprinkler, 1 scrub brush,  $\frac{1}{4}$  gallon sperm oil, 1 can burnishine, 1 extra hub band, 1 brush broom, 1 shoe brush, 5 whiffletrees, 2 door releasers, 4 door springs, 1 horse trip, 4 drop hitching bolts, 33 tons coal, 1 furnace shovel, 1 coal hod, 1 dozen old hose couplings, 1 carboy acid,  $\frac{1}{2}$  gallon acid measure, 2 rubber scrapers, 3 mops, 1 8-foot step ladder, 1 5-gallon oil can, 2 dripping pans, 2 dust pans, 2 chamois skins, 2 oilers, 1 window brush, 1 hose mender, 3 hand saws, 1 draw shave, 1 hatchet, 1 mallet, 1 2-foot square, 1 bit brace, 1 belt punch, 3 wood chisels, 1 extension bit, 1 rimmer, 2 countersinks, 9 bits, 2 jack planes, 1 hammer, 2 files, 2 pair plyers, 30 lbs. ground feed, 20 lbs. bran, 1 try square, 10 bedsteads complete, 70 yards old carpet, 1 desk, 1 center table, 15 hardwood chairs, 10 soft wood chairs, 10 lockers, 6 bath towels, 19 roller towels, 1 carpet sweeper, 4 wool dusters, 1 hamper, 1 basket, 2 chandeliers of 2 lights, 1 chandelier 3 lights, 4 wall gas jets and globes, 1 mirror, 2 towel racks, 67 window shades, 9 window screens, 1 60-gallon oil tank, 1 floor oiler, 1 new hose sled, 4 rubber covers, 2 stable blankets, 1 manure box, 5 bushels oats.

## INVENTORY ENGINEER'S OFFICE. STATION NO. 1.

One roller top desk, 2 revolving desk chairs, 9 common chairs, 2 rocking chairs, 1 waste basket, 1 center table, 80 yards carpet, 5 fire hats and belts, 1 ink well, 3 extra hat badges, 4 engineer's hat front pieces, 2 pads, 1 dozen pens,  $\frac{1}{4}$  box brass fasteners, 1 book fire records, 2 gas chandeliers 3 lights, 4 arm chandeliers, 2 gas chandeliers, one lot stationery, 1 bottle mucilage, 1 sponge cup, 1 ledger, 1 letter file, 1 small desk.

## SUPPLIES, ENGINEER'S OFFICE. STATION NO. 1.

Nine cakes soap,  $4\frac{1}{4}$  dozen common soap, 43 packages matches,  $8\frac{1}{2}$  dozen rubber gaskets, 3 gallons witch hazel, 3 mops, 5 new couplings, 30 spanners, 14 charges for hand extinguishers, 1 new mending sleeve,  $\frac{1}{2}$  barrel cotton waste, 9 providers, 3 perfection holders with nozzles, 64 rolls toilet paper, 5 gallons disinfectant, 1 can axle grease, 3 old play pipes, 4 old lanterns, 20 gallons astral oil, 2 new extra wheels and pole for hose wagon, 2 extra pole snaps, 1 pair eveners and whiffletrees, 60 pounds soda, 6 old hand extinguishers, 3 6-inch spiral springs, 6 stall bolts, 8 5-inch pulley blocks, 20 fire coned hats, 9 hose hooks for tower, 2 packages window cleaner, 1 dozen common wicks, 8 boxes shoe blacking, 3 extra spokes for wagon, 11 tower ropes, 1 pair extra harness hangers, 3 extra rein snaps, 1 bottle ink, 2 gross crayons, 8 boxes harness blacking, 4 bath towels, 1 chamois skin, 20 pounds rags, 5 axe helves, 2 stable brooms, 6 house brooms, 11 roller towels, 15 pillow slips, 4 collar straps.

## ELECTRICAL DEPARTMENT.

## INVENTORY.

Thirty-four fire alarm boxes, 45 poles, 17 miles wire, 825

glass insulators, 13 tap bells strikers, 300 brackets, 1 repeater, 3 indicators new, 1 old, 1 heavy current arrester and fuse box, 1 5-circuit switch board, 5 galvanometers, 94 batteries in use, 102 rubber hooks, 20 pounds okenite wire, 125 cross arms, 5 hard rubber plug outs, 1 repeater table, battery shelves, automatic gas lighter, 8 matchless gas burners, 3 pair magnets, 2 pair nippers, 2 Welsbach burners, 1 time indicator, 1 hatchet, 1 hand vise and strap, 1 wire connector, 150 feet of  $\frac{1}{2}$ -inch rope, 4 telephones complete.

#### ELECTRICAL STOCK ON HAND.

Twenty-five battery zincs, 10 coppers, 3 cross arms, 18 rubber hooks, 5 key boxes, 1 15-inch gong, 275 pounds of sulphite copper, 40 glass jars, 60 insulators, three-eighths mile No. 10 weather proof insulated iron wire, three-eighths mile base iron wire, 2 rubber plug outs.

#### STATION No. 2.

HOSE COMPANY. NO. 120 NORTH CHAMPLAIN STREET.

With this company is a two-horse four wheeled hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., put in service March 21, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet of  $2\frac{1}{2}$  inch rubber lined hose.

#### ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
9	M. Lynch,	Captain,	29 North St.,	37	Mar. 21, 1895.
6	E. Lynch,	Driver,	66 North Ave.,	43	Mar. 21, 1895.
13	Chas A. Niles.	Pipeman,	103 North St.	24	Sept. 7, 1895.

At this station there are 7 call men.

## INVENTORY STATION NO. 2.

One hose wagon complete, 2 horses fair condition, 1 set double harness, 1 indicator, 1 horse trip, 1 clock, 1 set harness hangers, 1 old table, 1 rocking chair, 10 common wood chairs old, 7 spittoons, 15 window shades, 65 yards carpet, 1 looking glass, 5 bedsteads complete, 1 toilet brush and comb, 1 blacking brush, 1 sprinkler, 8 roller towels, 5 bath towels, 2 brooms, 2 stalls complete, 1 carpet sweeper, 50 feet garden hose, 2 hanging lamps, 1 wall lamp, 2 dust pans, 1 step ladder, 1 floor brush, 1 bar soap, 1 soap dish, 1 desk, 2 towel racks, 1 provider, 1 hydrant gate, 1 10-foot ladder, 10 rubber coats, 8 pair rubber boots, 5 pair rubber mittens, 1 coal hod, 1 hydrant wrench, 2 play pipes, 1 perfection holder, 2 extra tips, 19 spanners, 9 ladder straps, 1 monkey wrench, 2 scoop shovels, 1 hammer, 1 chisel, 3 bits, 1 brace, 1 belt punch, 1 5-gallon oil can, 2 mops, 1 floor scrub brush, 3 hose patches, 2 screw drivers, 1 hot water heater, 1 20-gallon tank, 4 sponges, 1 package matches, 2 chamois skins, 1 window dryer, 1 oat bin, 3 bushels oats, 1 bale hay, 5 tons coal, 1 wagon jack,  $\frac{1}{2}$  tub harness soap, 2 pounds cotton waste, 7 window screens, 50 feet  $\frac{3}{4}$  inch rope, 1 sliding pole, 3 pails, 1 water tank (ice), 1 brush rack, 1 can hoof ointment, 2 quarts witch hazel, 1 horse boot, 2 halters, 1 pair barn blankets, 1 pair out-door blankets, 1 whip, 1 horse scraper, 1 hoof hook, 1 steel hook, 1 pair surcingles, 1 pair Sanborn bits, 1 pair straight bits, 1 door release, 2 door springs, 4 rubber hats, 2 stall bolts, 6 yards oil cloth, 1 small oil can, 1 sliding pole guard, 1 coal sieve, 1 old lantern, 7 lamp wicks, 1 calk wrench, 1 box calks, 1 bale straw, 30 pounds bran, 1 iron kettle, 1 center table, 5 new hardwood chairs, 4 cane chairs, 1 box shoe blacking, 1 small and 1 large basket, 1 hay fork, 1

extra trip strap, 1 brush broom, 1500 feet  $2\frac{1}{2}$  inch rubber lined hose in good condition, 250 feet  $2\frac{1}{2}$  inch hose in poor condition, 2 bottles horse liniment, 2 bottles fever drops, 1 box vaseline, 1 floor oiler, 1 curry comb, 1 card brush, 2 halter snaps, 1 box harness oil blacking, 1 bottle blueing, 16 rubber gaskets, 1 hose stamp, 1 6-inch bell, 1 sheep-skin duster, 2 leading chains, 1 whiffletree, 2 quarts floor oil, 2 trace chains, 1 toiler paper hanger, 1 can brilliant, 1 cake toilet soap, 1 gallon disinfectant, 1 load wood, 1 cake Bon Ami, 2 pounds nails,  $\frac{1}{2}$  can axle oil, 1 box Gold Dust, 5 pounds rock salt, 1 pair pole straps, 6 charges for hand extinguishers, 2 gallons oil, 2 rolls toilet paper, 1 awl, 1 snow shovel, 1 new hose sled.

### STATION No. 3.

ENGINE AND HOSE COMPANY. MANSFIELD AVENUE.

With this company is a Button steam fire engine, single pump, 4-inch pump steam cylinder, 8 inches in diameter with a 9-inch stroke. Built by the American Engine Co., Seneca Falls, N. Y.; was put into service in 1892; is drawn by two horses, and weighs 4,950 pounds. It is attended by a two-horse four-wheel hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., and placed in service March 21st, 1895, weight 4,730 pounds and is capable of carrying 1,300 feet of  $2\frac{1}{2}$  inch rubber lined hose.

### ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
11	W. F. Wills,	Captain,	89 North,	30	July 1, 1896.
3	D. W. Ingalls,	Driver.	21 Crombie,	27	Mar. 21, 1895.
7	H. Bouchard.	Pipeman	170 North Ave.	25	Feb. 2, 1897.

With this station there are 3 call men.

## INVENTORY STATION NO. 3.

Two horse releases, 1 hose wagon complete, 1 double harness, 2 horses in good order, 1 set harness hangers, 1 Button steamer complete, 1 indicator, 1 horse trip, 2 horse stalls complete, 1450 feet rubber lined hose good, 1 100-gallon water tank, 1 heater, 1 sliding pole, 1 clock, 1 perfection holder and nozzle, 1 extra play pipe, 11 extra tips, 1 Y's, 2 hose menders, 3 providers, 1 reducer, 1 jack screw, 2 tables, 6 hardwood chairs, 1 tapper, 1 wagon jack, 1 5-gallon oil can, 1 1-gallon oil can, 4 door springs, 17 rubber coats, 4 pairs rubber boots, 4 rubber hats, 1 coal fender, 400 pounds cannel coal, 6 tons egg coal, 5 spanners, 5 ladder straps, 1 sledge hammer, 1 screwdriver, 4 S wrenches, 3 files, 1 belt punch, 1 rivet swedge, 1 bit stock, 1 chisel, 3 bits, 2 hammers, 1 hatchet, 1 blacking brush, 3 steamer oilers, 50 feet garden hose, 1 hand-saw, 1 wool duster, 1 broom, 1 floor sweeper, 1 step ladder, 1 scrub brush, 3 pails, 24 window shades, 1 grain box, 10 bushel oats, 3 shovels, 1 snow shovel, 100 pounds straw, 1 coal sifter, 1 window brush, 1 30-foot extension ladder, 1 curry comb, 1 horse brush, 1 mane brush, 1 water brush, 1 pair shears, 1 brass scraper, 7 spittoons, 1 mirror, 3 chandeliers, 6 beds complete, 1 pair street blankets, 8 roller towels, 5 bath towels, 1 water cooler, 1 toilet comb and brush, 2 door releases, 1 pipe wrench, 3 monkey wrenches, 2 soap dishes, 2 towel racks, 1 bunch matches, 2 hay forks, 1 barn broom, 1 box silver dust, 2 extra snaps, 6 rugs, 27 feet floor matting, 5 cane chairs, 1 work bench, 1 gas lighter, 1 whip, 2 quarts cylinder oil, 1 gallon machine oil, 5 charges for hand extinguisher, 2 coal hods, 2 mops, 1 rocking chair, 1 looking glass, 1 dust pan, 1 carpet, 1 oil stone, 1 wood plane, 1 2-foot steel square, 1 bench vise, 1 bench dog, 7 tower ropes and pulleys,



1 crow bar, 1 pick axe, 1 garden rake, 1 2-bushel basket, 1 2-quart measure, 9 parlor chairs, 4 window screens, 1 clamp, 1 dripping pan, 1 box U. S. metal polish, 2 sheep skin dusters, 1 pair dividers, 1 running board, 1 box stall, 1 cake toilet soap,  $\frac{1}{4}$  load kindling wood, 1 bath sponge, 4 horse sponges, 50 feet  $\frac{5}{8}$  rope, 4 pair rubber mittens, 2 Welsbach burners, 1 wash basin, 2 pounds whiting, 1 dozen  $2\frac{1}{2}$  rubber gaskets, 1 hose rack, 2 chamois skins, 1 hydrant gate, 2 hydrant wrenches, 20 pounds bran, 10 pounds 10-penny nails, 1 whisk broom, 16 gas jets, 1 manure can, 1 box calks, 1 calk wrench, 1 horse boot, 1 horse muzzle, 1 box axle grease, 1 quart floor polish.

#### STATION NO. 4.

HOOK AND LADDER. LOCATED ON MAIN STREET, CITY HALL BUILDING.

With this company is a hook and ladder truck, built over by Alex. Crosby, placed in service February 15, 1895. It is drawn by two horses from the livery stable.

#### ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
2	E. R. Brew,	Captain,	182 Main St.,	26	Mar 21, 1895.

With this station there are 5 call men.

#### INVENTORY STATION NO. 4. HOOK AND LADDER.

One hook and ladder truck, 1 65-foot Bangor ladder extension, 1 50-foot Somerville ladder extension, 1 45-foot Somerville ladder extension, 1 35-foot Somerville ladder extension, 2 24-foot ladders, 1 18-foot ladder, 1 14-foot ladder, 2 15-foot



roof ladders, 2 14-foot roof ladders, 1 58-foot spliced ladder old, 1 33-foot spliced ladder old, 1 30-foot ladder old, 1 21-foot ladder old, 1 15-foot ladder old, 2 large hooks with chain and rope, 1 small hook with chain and rope, 3 axes, 2 iron bars, 1 insulated wire cutter, 1 tin roof cutter, 1 plaster hook, 6 pairs rubber boots, 4 rubber hats, 12 pike poles, 8 ladder braces, 2 forks, 3 ladder chains, 1 monkey wrench, 2 lanterns, 4 rubber coats, 100 feet guy rope, 1 whip, 3 cuspidors, 2 arm chairs, 1 coal stove with pipe, 1 small shovel, 1 indicator, 1 matchless gas burner, 1 sprinkling can, 1 iron jack, 1 mop, 1 broom, 1 tin pail, 1 dust pan, 1 chamois skin, 1 bar soap, 1 sponge, 1 dust broom, 1 coal hod, 1 small brass lock, 1 set double harness, 500 lbs. coal, 300 feet of  $\frac{5}{8}$  manilla rope.

## INVENTORY BOXER ENGINE COMPANY.

One Hunnaman Hand Engine, 1 7-foot table, 1 box stove and pipe, 6 arm chairs, 26 common chairs, 14 spittons, 1 hose cart, 1 hose sled, 1 pair runners for hose cart.

## AT THE ADDITION.

One four wheel hose reel, 800 feet linen hose.

## LIST OF CALL MEN.

Arthur A. Arcand,	Frank E. Lee,
George C. Brew,	Henry H. Lee,
Thomas Butler,	Seymour E. Lozo,
Peter N. Campbell,	Thomas A. McDonnell,
Alexander Croto,	Luther D. Mead,
Joseph Croto,	John Moran,
George E. Daniels,	William H. Mossey,
James M. Delaney,	James P. Murphy,
George Drolette,	George L. Neal,

---

Arthur J. Hathaway,	Carl D. Stockwell,
Oliver J. Ladam,	Stephen Taylor,
Theophile Lapointe,	F. M. Walker,
Napoleon Laury,	Eugene Wright.

## LIST OF APPLICANTS FOR POSITION OF CALL MEN.

NAMES.	DATE OF APPLICATION.
Charles H. Babcock -----	January 4, 1899.
Jerome Beauregard-----	June 22, 1895.
Peter J. Benoit-----	January 27, 1899.
James E. Bradley-----	January 17, 1899.
Martin Butler-----	September 23, 1895.
Edward Caise-----	January 1, 1898.
John B. Cameron-----	April 3, 1895.
Edgar H. Chambers-----	April 9, 1895.
William G. Collins-----	January 13, 1899.
Wesley Conner-----	January 10, 1899.
T. J. Connolly-----	April 16, 1895.
Isador Cota-----	April 5, 1895.
Norman F. Failey-----	April 23, 1895.
Franklin Fasset-----	April 4, 1895.
Martin Garvey-----	April 3, 1895.
E. H. Germain-----	January 16, 1899.
George W. Greene,-----	January, 3, 1895.
John F. Griffin,-----	December 31, 1895.
Michael J. Grogan,-----	March 15, 1898.
Edward Hanley, -----	April 3, 1895.
Cornlius Hayes,-----	March 9, 1898.
James E. Kaley,-----	January, 20, 1899.
Patrick Kennedy, -----	April 13, 1895.
George W. Lane, -----	October 19, 1895.

---

George E. Langlois,-----	April 7, 1897.
Edward Moran,-----	April 11, 1895.
Prosper Morris,-----	January 4, 1899.
George S. Morrison,-----	June 13, 1895.
Adolphus Myers,-----	April 4, 1895.
Charles F. Roby,-----	January 4, 1899.
Charles W. Ryder,-----	April 22, 1895.
Lewis Sears,-----	March 25, 1898.
Charles Shambo,-----	April 14, 1895.
George Sharpley,-----	April 23, 1895.
Francis H. Sheeran,-----	February 17, 1896.
Patrick Welch,-----	January 19, 1898.
Thomas H. Welch,-----	April 22, 1895.

# FIRES AND LOSSES FOR 1898.

Date.	Hour.	Box	Street Location.	Owner.	Property.	Loss.	Ins. Paid.	Origin.	Apparatus Used.
Jan. 1	5.30 p m		Call fr Winooski						Steamer hose wag.
1	5.30 p m	27	Winooski,	Rung in Winooski fire					
2	9.30 a m		So. Prospect,	A. E. Richardson.	Dwelling,			Fire place,	Hand extinguish.
6	4.50 p m	47	Cherry,	D. J. Foster,	Church,			Chimney,	Hand extinguish.
15	7.40 a m	42	So. Winooski av.	Cong'l church,				Chimney,	Hand extinguish.
15	8.40 p m	24	Elmwood av.	A. A. Nantell,	Store,	\$ 13 25	13 25	Unknown,	Hand extinguish.
30	3.30 p m	56	So. Union,	V. A. Bullard,	Dwelling,	50 00	50 00	Fire place,	Hand extinguish.
Feb. 1	9.48 a m	*	Pearl.	St. Mary's Cong'n,	School,			Hot air furnace,	Hand extinguish.
3	8.39 a m	24	Archibald,	City,	School.			Hot air furnace,	Chemical, water.
	4.12 58 p m	29	Henry,	J. Morgan,	Shop,	4 00	4 00	Plumber's stove,	Hand extinguish.
	11.40 a m	*	N. Winooski av	Wells S. Howard,	Drug Store,			Chimney,	
Mar. 16	1.00 a m	32	North,	James McGetterick,	Dwelling,			Lamp explosion,	Chemical engine,
20	5.50 p m	27	Hyde,	Herald Stevens,	Dwelling,			Overheated stove,	Chemical engine.
April 11	7.55 p m	24	Spring-Interval	Alex Croto,	Dwelling,	68 26	68 26	Lamp explosion,	Hand extinguish.
	11 7.55 p m	45	Battery-College,						
	16 11.30 a m	*	Foot Church,	J. H. Converse,	Grass Brush,			Unknown,	Put out by Dept.
	19 7.02 p m	27	N. Winooski av.	Herald Stevens,	Dwelling,			Sparks from chim	Hand extinguish.
	22 11.03 a m	25	Grant,	Charles Finnigan,	Dwelling,	12 00	12 00	Overheated pipe,	Hand extinguish.
	25 11.47 a m	25	So Union,	Dr. P. J. Kent,	Dwelling,			Stove rags,	Hand extinguish.
May 2	5.17 a m	*	Battery,	William Fitzgerald,	Dwelling,			Chimney,	Chemical engine.
	5 10.25 p m	55	St. Paul,	J. R. Murphy,	Barn,	177 25	177 25	Water.	
8	4.36 a m	24	Interval-Spring	Alex. Crofo,	Dwelling,	419 00	419 00	Unknown,	Chemical engine.
21	3.41 p m	24	No. Bend,	William Duggan,	Barn,	5 00	5 00	Chil'n with mt'es	Hand extinguish.
22	3.52 p m	45	Battery-Main,	Champlain Mfg. Co.,	Shop,			Unknown,	Chemical engine.
23	7.03 p m	45	College,	Central Vt. R. R.,	Shop,			Unknown,	Water.
31	10.12 a m	24	Interval av.	Mrs. R. Melnick,	Dwelling,	260 00	260 00	Unknown,	Chemical engine.
June 16	10.20 a m	29	North.	E. F. Moore,	Shed,			Boiling over tar,	

\* Still alarm.



# REPORT

## OF THE

# OVERSEER OF THE POOR.

*To the Honorable the City Council :*

GENTLEMEN: —Herewith I present for your consideration the following report, showing the receipts and expenditures of the Poor Department from January 1, 1898, to December 31, 1898, inclusive:

### RECEIPTS.

Cash on hand January 1, 1898-----	\$	36	95
Cash from L. C. Grant, Treasurer----		9,074	42
Cash from sale of farm produce-----		191	77
Cash from other towns-----		93	38
Cash from other sources-----		17	88
		-----	\$ 9,414 40

### DISBURSEMENTS.

For aid outside alms house:

Provisions -----	\$	3,623	59
Coal-----		1,039	77
Wood -----		415	95
Burials -----		253	00
Insane-----		133	83
Ambulance, livery, hacks-----		35	75
Railroad tickets -----		225	77

---

Medicine on order City Physician	475 60	
Clothing and shoes-----	21 14	
Tramps-----	11 85	
Sisters of Charity, St. Joseph's--	46 50	
Fanny Allen Hospital-----	46 31	
Mrs. A. M. Bingham, for Sarah St. John-----	52 00	
George A. Rumsey, guardian---	44 00	
Thomas Reeves, sheriff, for board of prisoners from January 1, 1898 to January 1, 1899 -----	254 00	
	<hr/>	\$ 6,679 06

## FARM EXPENSES.

For provisions-----	\$ 480 15	
Paints, repairs, tools, etc.-----	354 13	
Grain and seeds -----	209 27	
Dry goods, clothing and shoes---	124 15	
Crockery, etc.-----	26 25	
Coal-----	162 50	
Medicines-----	81 26	
Taxes, 1898-----	35 20	
Salary D. F. Cosgriff-----	400 00	
	<hr/>	\$ 1,872 91

## MISCELLANEOUS.

Office expenses-----	\$ 23 69
----------------------	----------

## SALARY ACCOUNT.

D. C. Barber, Overseer-----	\$ 500 00	
J. E. LaRocque, M. D.-----	200 00	
	<hr/>	\$ 700 00

## RECAPITULATION.

Receipts-----	\$ 9,414 40
---------------	-------------



## DISBURSEMENTS.

---

For aid outside alms house -----	\$	6,679	06
Farm expenses -----		1,872	91
Office expenses -----		23	69
Salaries -----		700	00
D. C. Barber, for error, 1897 ----		100	00
			<hr/>
	\$	9,375	66
			<hr/>
Cash on hand -----	\$	38	74

We, the undersigned, have examined the accounts and vouchers of D. C. Barber, overseer of the poor, for the year 1898, and find them correct.

GEO. W. BECKWITH,	}	Auditors.
JOHN C. FARRAR,		
THOMAS FAILEY.		

## INMATES OF THE ALMS-HOUSE DECEMBER 31, 1898.

Name.	Age.	Nativity.	Cause.	TIME.		
				Yrs	Mos.	Days.
Timothy Noonan.....	92	Ireland .....	Insane...	18	2	23
Annie Muldoon.....	66	Ireland .....	"	17	0	8
Mary Wall.....	52	Ireland .....	"	14	7	24
Daniel Hicks.....	34	Winooski, Vt....	"	12	7	4
Frances Metcalf.....	64	Burlington .....	"	7	6	0
John Clure.....	77	Burlington .....	Destitute,	3	4	-----
John Hilderbrand.....	45	Germany .....	Insane...	2	9	25
Maria J. Walton.....	67	Ireland .....	Destitute,	2	7	-----
Virginia Myers.....	68	Canada .....	"	1	11	9
Joseph Belair.....	55	Canada .....	"	1	4	23
Mary Hakey.....	62	Sheldon, Vt....	"	-----	9	27
Mrs. E. Culthbert.....	73	Canada .....	"	-----	5	20
Benj. Lewis.....	58	New York .....	"	-----	-----	28
Patrick Hogan .....	65	Ireland .....	"	-----	-----	21

## INMATES ADMITTED AND DISCHARGED DURING THE YEAR.

Name.	Admitted.	Discharged.	Time.
Ellen East .....	-----	Nov. 13.	10 Mos. 13 dys
James McGrath.....	Mar. 27.	June 7.	2 " 11 "
Abraham McGovern.....	-----	Died Feb. 25.	1 " 25 "
Dennis W. Hayes.....	-----	Mar. 16.	2 " 16 "
John Quilligan.....	-----	" 18.	2 " 18 "
John V. O'Brien.....	-----	June 9.	5 " 9 "
Mary Hakey.....	Mar. 4, 1898.	-----	9 " 27 "
Patrick Hogan.....	" 12, "	July 2.	3 " 20 "
Theo Mathews.....	" 15, "	June 30.	3 " 16 "
Fanny Richardson and two children .....	April 2, "	Oct. 24.	6 " 22 "
Oliver Blinn.....	" 21, "	June 14.	1 " 24 "
Elizabeth Culthbert.....	July 14, "	-----	5 " 17 "
Mary Dolan.....	" 28, "	Sept. 3.	1 " 6 "
Elizabeth Ross.....	Aug. 13, "	Aug. 30.	17 "
Thomas Monack.....	Dec. 1. "	Dec 15.	15 "
Patrick Hogan.....	" 9, "	-----	21 "
Benj. Lewis.....	" 3, "	-----	28 "
William Wakefield.....	-----	Died June 6.	6 " 27 "

---

## INVENTORY OF FARM, DEC. 31, 1898.

### LIVE STOCK.

Two horses, 9 cows, 1 two-year-old bull, 4 calves, 8 shoats, 1 sow, 7 pigs, 30 hens, 1 guinea hen, 2 turkeys.

### PRODUCE.

Seventy-five bushels potatoes, 90 bushels oats, 175 bushels corn—ear, 6 bushels beans, 10 bushels turnips, 10 bushels carrots, 3 bushels onions, 10 bushels beets, 25 tons hay, 10 tons straw, 6 tons cornstalks, 75 cabbages, 90 pounds butter, 700 pounds pork, 175 pounds of lard, 300 pounds ham and shoulders, 40 pounds sausage, 50 pounds spare rib, 2 barrels flour, 65 pounds tea, 75 pounds coffee, 100 cakes soap, 300 pounds sugar, 6 tons coal.

For items of wagons, sleighs, harness, farm implements and household goods, reference may be had to inventory on file in office of the overseer.

### REMARKS.

The increase in the expense account over last year is due to the increase in the number of the unemployed. Every proper effort has been made to keep the expenditures as low as is consistent with humane demands.

I would again call attention to what I said in my last report as to the separation by wards of the feeble in mind and body from those at least stronger in mind. The comfort and sanitary condition of both would be thereby greatly increased. Such changes should not be too long delayed. In conclusion I would thank all who have assisted me in the discharge of my official duties.

Respectfully,

D. C. BARBER,

Overseer of the Poor.

---

REPORT  
OF THE  
CITY ATTORNEY.

---

*To the Honorable the City Council :*

Since my term of office began in April last, three suits have been instituted in which the city is interested :

Bernard H. Porter vs. E. F. Brownell and trustee of the City of Burlington, now pending in the Chittenden County Court; J. J. Flynn, Adm. vs. The City of Burlington, brought to recover damages for the death of Proctor N. Barnes and now pending in the Chittenden County Court; and The Rutland Railroad Co. vs. H. E. Salls, now pending in Rutland County Court. This last is an important case, as it involves the question of the validity of a large amount of taxes assessed upon railroad property. The suit is brought to recover alleged damages for property sold by Mr. Salls, as Constable, for taxes. The Rutland Railroad Co. claims that the taxes on account of which the property was sold were not warranted in law, and that the sale of the property by the Constable was therefore illegal. It is expected that the case will be tried in March next.

The chancery case of Hon. R. S. Taft vs. The City of Burlington is still pending. These are the only cases now pending in which the City is interested.

In September last the City paid \$20.00 for damage to sheep by dogs. This sum has been collected from the owners of the dogs, and paid to the City Treasurer.

Several amendments to the City Charter were made at the recent session of the legislature under the direction of the Board of Aldermen.

There have been a few prosecutions for offences against the city ordinances, as appears more fully in the report from the City Court.

Respectfully submitted,

D. J. FOSTER,

City Attorney.

Burlington, Vt., Jan. 16, 1899.

# REPORT

## OF THE

# CHIEF OF POLICE.

*To the Honorable the City Council :*

GENTLEMEN :—In accordance with law, I have the honor to submit herewith my first annual report of the Department of Police, ending December 31, 1898, including also the months of January, February, and sixteen days in March, which time was covered by others in charge of the Department.

My official term as Chief of Police began March 17, 1898. Previous to that date, Jerome Dumas had for some time been in charge of the department. He died February 4, 1898. When God called him, the department lost an efficient officer and the city a zealous watchman of her interests.

The total amount appropriated to the department—\$ 7,000 00

Fees paid into the City Treasury from City and

Justice Courts-----	1,070 89
---------------------	----------

	\$ 8,070 89
--	-------------

Total amount expended-----	7,331 39
----------------------------	----------

Balance -----	\$ 739 50
---------------	-----------

The whole number of arrests during the year was 313, which are classified for each month respectively, as follows,

and shows 2 less than in 1897, with an increase of 7 for drunkenness:

	Intoxication.		Selling Liquor.		Larceny.		Breach of the Peace.		Burglary.		Tramps.		Prostitution.		Trespassing.		Assaulting an Officer.		Truancy.		Forging.		Rape.		Store Open Sunday.		Bicycle on Sidewalk.		Exposing Person.		Keeping House of Illfame.		Total Arrests.	
January .....	14	3	--	6	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	25		
February .....	7	2	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	14		
March .....	1	3	3	7	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15		
April .....	11	3	6	3	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	25		
May .....	13	3	6	3	--	1	--	--	--	--	--	--	4	--	--	--	--	--	4	--	--	1	--	--	--	--	--	--	--	--	--	35		
June .....	12	1	5	7	1	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	31		
July .....	12	4	1	13	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	35		
August .....	13	4	6	5	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	--	--	34		
September .....	7	7	4	2	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	24		
October .....	2	--	3	4	--	1	--	--	--	--	--	--	--	--	4	--	1	--	1	--	--	--	--	--	--	--	--	--	--	1	--	13		
November .....	6	6	7	1	--	4	--	4	--	4	--	4	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	30		
December .....	15	4	6	4	--	--	--	--	--	--	--	1	--	--	--	--	--	--	2	--	--	--	--	--	--	--	--	--	--	--	--	32		
Total .....	113	40	47	59	2	21	1	10	1	11	1	3	1	11	1	3	1	1	1	1	3	1	1	1	1	1	1	1	1	1	313			

It must be borne in mind that this does not include arrests made and work done by the county's official force here in the city, made up of the sheriff and several deputies; nor does it include the work of the one member of the constabulary.

Nothing accruing from work performed by them is paid over to the City Treasurer, but the fees arising from such source are, in lieu of salary, the same as in cases of our special policemen and regular police officers without a beat.

The total amount of fees collected and turned over to the City Treasurer was \$1,070.89.



The number of officers on the pay-roll of the force at the end of the year was as follows :

Chief -----	1
Day man at station-----	1
All-night men, Church Street -----	3
Ward 5, one-half night -----	1
Ward 3, one-half night -----	1
Battery Street one-half night, alternate nights-----	2
North Street, one-half night, alternate nights -----	2
Pearl Street and cross streets to North-----	2
Winooski Avenue and Union Street-----	2
Total -----	15

Two policemen have been added to the force during the past season,—one on North Avenue, and one on South St. Paul Street, as summer men. These with the two Battery Park officers have been continued on duty as half-night men through the winter thus far, and are included in the total of 15 officers.

#### POLICE COMMISSIONERS.

Arthur G. Crane, Term expires-----	1900
James E. Burke,   “   “   -----	1901
Wilder L. Burnap,   “   “   -----	1899

#### ROSTER OF REGULAR POLICE OFFICERS.

Patrick J. Russell,	Commission expires April 25, 1899
John J. Brothers,	“   “   “   “   “
Milo C. Graton,	“   “   “   “   “
William G. Coffey,	“   “   “   “   “
Edward R. Coon,	“   “   “   “   “
Fred A. Dougherty,	“   “   “   “   “

---

Thomas H. McGetterick,	Commission expires April 25, 1899
James McCuen,	“ “ “ “ “
Patrick J. Cosgrove,	“ “ “ “ 1900
Edward P. McElligott,	“ “ “ “ “
William Garrow,	“ “ “ “ “
Thomas H. Kelley,	“ “ “ “ 1901

Cosgrove, Brothers and McCuen have no beat. The special officers who have a beat are Hugh L. Dailey, Patrick Hogan, Thos. E. Dooley, James A. Riley, Napoleon Laury, and they are doing half-night duty, as per foregoing statement.

I have been constantly urged by the people on the outskirts of the city for additional force to patrol these places, but it is impossible to thoroughly guard this extended territory unless we have more men. This we have been unable to do with the money appropriated, although we recognize in some measure the justness of the complaint.

In conclusion, I ask this Board collectively and individually to aid me in my work for the coming year. The chief of this department may be ever so able an officer, but if he has not under him the strong hand of the Board, his work will not be effective. Nothing will give me more pleasure than to carry out any suggestion of benefit to the department.

My thanks are extended for the support received in the discharge of my official duties, and I respectfully ask the continuance of the same, that the greatest efficiency of the force may be attained and so the best service rendered.

Your respectfully,

LOOMIS J. SMITH,

Chief of Police.

# REPORT OF CASES HEARD AND DETERMINED IN THE CITY COURT.

From January 1, 1898, to January 1, 1899.

*To the Honorable the City Council:*

GENTLEMEN :—The total number of prosecutions, in which the fines and cost are payable into the City Treasury, heard and determined in the City Court for the year ending December 31, 1898, was one hundred and seventeen against one hundred and twenty-four respondents, and they are classified as follows:

Breach of the peace-----	69
Injury to property-----	4
Larcency-----	15
Truancy -----	12
Violation of ordinance relating to bicycles-----	1
Violation of ordinance relating to carters-----	1
Violation of Sunday law-----	1
Keeping house of ill fame-----	1
Wilful trespass-----	1
Abduction -----	1
Cruelty to animals-----	1
Prostitution -----	10

Eighty-five respondents were convicted, thirty-five were acquitted and four were discharged on *nolle prosequi*. Fourteen respondents were committed to the House of Correction and nine were committed to the Vermont Industrial school.

Total fees to be disbursed ----- \$ 1,096 20

Total fines and costs collected and paid to the City

Treasurer ----- 1,175 03

Total fines and costs uncollected ----- 167 54

This last amount will soon be collected or the respondents will be committed.

Any further information desired will be furnished upon application at this office.

Respectfully submitted,

E. W. J. HAWKINS,

Clerk.

Burlington, Vt., January 17, 1899.

# REPORT OF LIQUOR AGENCY.

*To the Honorable the City Council :*

GENTLEMEN:—I herewith present you my report from the first day of January, 1898, to the 31st day of December, 1898, inclusive :

Cash received from sales to citizens-----	\$	7,551	75
“ “ Charlotte-----	\$	149	10
“ “ Essex -----		94	35
“ “ Hinesburgh --		81	30
“ “ Jericho -----		37	35
“ “ Monkton-----		22	25
“ “ Richmond----		24	90
“ “ St. George ---		28	35
“ “ Shelburne----		195	60
“ “ S. Burlington--		487	80
“ “ Underhill ----		22	65
“ “ Westford-----		27	90
“ “ Williston ----		255	90
“ “ Other towns--		383	48
	\$	1,810	93
“ “ of barrels, kegs			42 77
Total-----	\$	9,405	45

---

Cash paid City Treasurer----- \$ 9,405 45

No seized goods are allowed to be taken by law.

The goods sold have been of the best quality.

GOODS KEPT ON SALE.

American and best imported ale, lager beer, imported porter, alcohol or spirits; California, blackberry, cider and Hennessey brandies; imported gin, cherry, Jamaica, Medford and St. Croix rum; bourbon and rye whiskies, champagne, port, American and imported sherry, Tokay wines.

Respectfully,

E. SELDEN, Agent.

# STATEMENT OF PURCHASES, SALES, ETC., FOR 1898.

	ALCOHOL.		BEERS.		BRANDIES.		GINS.		RUMS.		WHISKIES.		WINES.		Total Value.
Date	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	
On hand Jan. 1, 1898.	28½	\$ 67 26 14½		\$ 97 32	70½	\$243 91	8½	\$ 21 00	73½	\$187 56 176	\$ 645 43	21½	\$ 78 30	\$ 1,340 78	
Purchased in 1898.	1096½	2,618 20 286½		228 99 124		394 79 124	123	363 45 186		388 74 664	1,731 87 186½		300 87	6,026 91	
Total cost and stock	1125	\$2,685 46 430½		\$326 31 194½		\$638 70 131½		\$384 45 250½		\$576 30 840	\$2,377 30 208		\$379 17	\$ 7,367 69	
Sales during 1898.	1082	3,464 49 349		339 31 157		713 51 102 48	89½	362 52 215½	686 75 778½	3,430 85 135	365 25		9,362 68		
On hand Jan. 1, 1899	17	41 65 52½		45 39 27½		102 48	38	105 64 50	148 58 50½	160 05 62½	153 67		757 46		
Total -----	1099	3,506 14 401½		\$384 70 184½		\$815 99 127½		\$468 16 265½		\$835 33 820 5½	\$3,590 90 197½		\$518 92	\$10,120 14	
Leakage, breakage, evaporation, etc.	26			29		97½	4½				101½		10½		
Sales for over cost.		820 68		58 39		177 29		83 71		5½ 259 03	1,213 60		139 75	2,752 45	

The undersigned have examined the sales books of E. Selden, Agent for the city of Burlington, and find his account, as given above, correct for year 1898.

GEO. W. BECKWITH,  
JOHN C. FARRAR,  
THOMAS FALEY, } Auditors.



# REPORT

## OF THE

### Cemetery Commissioners.

*To the Honorable the City Council, City of Burlington :*

GENTLEMEN:—The Cemetery Commissioners respectfully submit the following report for the year ending December 31, 1898, viz :

#### GREEN MOUNT CEMETERY.

##### RECEIPTS.

Balance on hand January 1, 1898----	\$	142	05	
Opening and filling graves-----		57	50	
Care of lots-----		302	00	
Fitting of lots-----		97	25	
Sale of lots-----		454	11	
Rent of house -----		120	00	
Miscellaneous -----		30	29	
Income from Trust Funds-----		119	60	
				\$ 1,322 80

##### DISBURSEMENTS.

Labor per time-book-----	\$	677	26
Lake View, on Collins' salary-----		225	00
Bulbs, tools, materials and supplies--		55	68
Water taxes-----		36	25

---

Flowers and sundries-----	\$	60	00	
Balance on hand January 1, 1899----		268	61	
		-----	\$	1,322 80
Number of interments during 1898-----				18
Number of lots sold during 1898-----				7

## ELMWOOD CEMETERY.

## RECEIPTS.

Income from Trust Funds-----	\$	881	37	
Fitting and care of lots, and opening and filling graves-----		154	56	
Lot sold E. O. Reynolds-----		35	44	
		-----	\$	1,071 37

## DISBURSEMENTS.

By Check on City Treasurer, over- draft 1897-----	\$	38	72	
Services of Hiram Hanscom as sexton		385	97	
Salaries per time-book-----		463	78	
Fertilizers and cartage-----		25	25	
Flowers, plants, trees and seeds----		30	31	
Postage-----		1	00	
Sundries per vouchers -----		52	97	
Lake View Cemetery for flowers----		55	00	
Cash on hand -----		18	37	
		-----	\$	1,071 37
Number of interments during 1898-----				14

## LAKE VIEW CEMETERY.

## RECEIPTS.

Balance on hand January 1, 1898-----	\$	274	41	
Sale of lots-----				1,133 33

---

Care of lots-----	\$ 1,026 75
Fitting of lots-----	632 70
Opening and filling graves-----	367 40
Flowers and beds-----	558 75
Miscellaneous-----	40 90
From Green Mount Cemetery-----	225 00
Income from trust funds-----	479 29
	<hr/>
	\$ 4,738 53

## DISBURSEMENT.

Services of Michael Collins as sexton in charge to	
Dec. 31, 1898-----	\$ 730 00
Labor per time book-----	3,063 24
Annual water rate to city-----	100 00
Soil and fertilizers-----	75 30
Hay, provender and blacksmithing-----	105 96
Postage-----	5 00
Seeds and bulbs, tools, supplies and repairs-----	330 43
Hot house supplies and fuel-----	76 35
Filling ice house-----	12 96
Insurance-----	36 00
Miscellaneous account-----	53 90
School tax-----	15 00
Balance on hand January 1, 1899-----	134 39
	<hr/>
	\$ 4,738 53

## SALES OF LOTS.

Number of lots sold to December 31, 1897-----	828
Number of lots sold during 1898-----	27
	<hr/>
Total number of lots sold to Dec. 31, 1898----	855

## INTERMENTS.

Total number of interments to Dec. 31, 1897-----	1989
Number of original interments during 1898-----	98
	<hr/>
	2087

We, the undersigned, have examined the accounts and books of the Cemetery Commissioners, and find them correct.

GEO. W. BECKWITH,	} Auditors.
JOHN C. FARRAR,	
THOMAS FAILEY.	

In presenting this report the Board of Cemetery Commissioners take pleasure in acknowledging the many kind words that have been spoken in regard to the constantly improving conditions of the cemeteries under their charge. They are an evident source of pride to our people, and we believe it is their earnest desire that they be kept up to the highest obtainable standard.

We take pleasure in calling attention to the fact that the Trust Fund of each of the cemeteries has been increased by creditable amounts the past year. We believe that there are many others who should take an early opportunity to insure the permanent care of their lots by contributing such sum as may be necessary to these various funds.

The greenhouse at Lake View Cemetery has been very successfully managed by Superintendent Collins, and has afforded a very large number of decorative plants for the use of the various cemeteries, and has also furnished a considerable amount for use in Battery Park, which were furnished at a very low price. An addition to the greenhouse, affording more room for this very necessary and desirable work, is

greatly needed, and we trust may in the near future be provided.

In continuing the plan of keeping up the beds of flowers in the cemeteries, the commissioners have ordered this past season a large number of bulbs, which they have imported direct from Holland, at much less expense than they could have been obtained in this country. We expect very beautiful results from them the coming spring.

We also take pleasure in acknowledging the receipt of gifts of quite a quantity of flowering shrubs and plants, which have aided in carrying out the plans of the superintendent. This is a manner in which many persons having extensive grounds where plants and shrubs multiply beyond what they need for their own premises, can aid in making the cemeteries still more attractive.

We desire to acknowledge the faithful services of our employees, and believe that good satisfaction has been given to our citizens by their work.

JOEL H. HOLTON,	}	Cemetery Commissioners.
HIRAM HANSCOM,		
WM. J. VAN PATTEN,		

REPORT  
OF THE  
CITY TREASURER,  
ON ACCOUNT OF  
THE LAKE VIEW, ELMWOOD AND GREEN MOUNT  
CEMETERIES,

For the year ending December 31, 1898.

*To the City Council of the City of Burlington :*

GENTLEMEN :—I herewith hand you a statement of the receipts and disbursements on account of Lake View, Elmwood and Green Mount Cemeteries for the year ending December 31, 1898, together with a list of the Trust Funds.

LAKE VIEW CEMETERY.

RECEIPTS.

Balance on hand Jan. 1, 1898-----	\$	274	41	
From Cemetery Commissioners-----		3,984	83	
From interest on Trust Funds-----		479	29	
				\$ 4,738 53

DISBURSEMENTS.

Paid orders of Cemetery Commissioners--	\$	4,604	14	
Unexpended balance-----		134	39	
				\$ 4,738 53

---

 ELMWOOD CEMETERY.

## RECEIPTS.

From Cemetery Commissioners-----	\$ 190 00	
From interest on Trust Funds-----	881 37	
	<hr/>	\$ 1,071 37

## DISBURSEMENTS.

Paid overdraft Jan. 1, 1897-----	\$ 38 72	
Paid orders of Cemetery Commissioners	1,014 28	
Unexpended balance-----	18 37	
	<hr/>	\$ 1,071 37

## GREEN MOUNT CEMETERY.

## RECEIPTS.

Balance on hand Jan. 1, 1898-----	\$ 142 05	
From Cemetery Commissioners-----	1,061 15	
From interest on Trust Funds-----	119 60	
	<hr/>	\$ 1,322 80

## DISBURSEMENTS.

Paid orders of Cemetery Commissioners--	\$ 1,054 19	
Unexpended balance-----	268 61	
	<hr/>	\$ 1,322 70

There are held by the Treasurer securities and investments made by the Cemetery Commissioners from the Trust Funds:

## ELMWOOD CEMETERY.

John N. Pomeroy Fund-----	\$ 14,965 00
Celesta A. Seaver Fund-----	25 00
Ann E. Munson Fund-----	25 00
W. L. and A. G. Strong Fund-----	100 00
Katherine F. Kendall Fund-----	25 00



---

Jane E. Bailey Fund-----	25 00	
Mary P. Hollenbeck Fund-----	50 00	
Francis C. Mills Fund -----	50 00	
Henry Whitney Fund-----	100 00	
	<hr/>	\$ 15,365 00
From accumulations of Trust Funds, not re-		
quired for present use-----	\$	1,500 00

## ACCOUNT LAKE VIEW CEMETERY.

Carlos Baxter Fund-----	\$	1,250 00
Eli Chittenden Fund-----		50 00
E. W. Chase Fund -----		125 00
Harvey Burnett Fund-----		100 00
L. B. Englesby Fund-----		200 00
Hatch and Bennett Fund-----		100 00
George Barrows Fund-----		50 00
M. F. Wilkins Fund-----		50 00
Gen. George J. Stannard Fund-----		100 00
Harriet A. Weaver Fund-----		100 00
F. M. Van Sicklen Fund-----		200 00
Jo D. Hatch Fund-----		250 00
John P. Howard Fund -----		3,000 00
Louisa H. Howard Fund-----		500 00
Hilas Roby Fund-----		500 00
Julius M. Noyes Fund -----		1,000 00
Marion Flagg Fund-----		200 00
Lucinda F. Barnes Fund -----		500 00
Charles R. Hayward Fund-----		500 00
Amos B. Jones Fund-----		50 00
Mrs. R. W. Smith Fund-----		100 00
Abbie L. Curtis Fund-----		150 00
Harriet M. Alger Fund-----		100 00

---

Emma Griffin Fund-----	\$	100	00
Ellen M. Heinberg Fund-----		200	00
Wm. J. Van Patten Fund-----		1,000	00
Sarah E. Carruth Fund-----		18	23
Noah Allen Fund-----		250	00
Lucia B. Peck Fund-----		100	00
W. F. Armstead Fund-----		50	00
Hervey Spencer Fund-----		200	00
		-----	\$ 11,093 23

## ACCOUNT GREEN MOUNT CEMETERY.

Ethan Allen Fund, et al-----	\$	620	24
W. C. Whitman Fund -----		200	00
W. T. Herrick Fund-----		100	00
		-----	\$ 920 24

# REPORT OF THE CITY TREASURER

For the year ending December 31, 1898.

*To the City Council of the City of Burlington :*

GENTLEMEN :—I herewith present to you my report as City Treasurer from January 1st to December 31, 1898, inclusive :

## RECEIPTS.

Cash on hand Jan. 1, 1898-----	\$ 1,821 00
Received from all sources-----	568,317 89
	\$570,138 89

## DISBURSEMENTS.

Paid out on all accounts-----	\$ 551,973 68
Balance on hand Dec. 31, 1898-----	18,165 21
	\$570,138 89

For the details of the above transactions I would respectfully refer you to the statements of the several departments hereto attached.

## CRIMINAL AND POLICE DEPARTMENT. .

### RECEIPTS.

Appropriation -----	\$ 7,000 00
Police fees-----	1,070 89
	\$ 8,070 89

## DISBURSEMENTS.

Payrolls -----	\$ 5,296 14
Officers, expenses-----	252 36
Telephone -----	55 62
Lights-----	95 70
Boarding prisoners at jail-----	223 86
Printing -----	8 95
Repairs and supplies-----	46 22
Uniforms and repairs-----	49 43
Costs, etc., city court-----	1,096 20
Costs, etc., justice court-----	206 91
*Unexpended balance-----	739 50
	<u>\$ 8,070 89</u>

\*The above does not include the salary of the Chief from April 25, 1898.

## RECEIPTS.

J. W. Russell, Judge-----	\$ 1,175 03
E. W. J. Hawkins, Justice-----	38 53
S. M. Flint, Justice-----	18 54
A. V. Spaulding, Justice-----	128 28
	<u>\$ 1,360 38</u>

## DISBURSEMENTS.

Tranferred to General Fund-----	\$ 1,360 38
---------------------------------	-------------

## FIRE DEPARTMENT.

## RECEIPTS.

Appropriation-----	\$ 14,000 00
Sale of one horse-----	50 00
Sale of wire-----	1 80
Overdraft to balance-----	22 89
	<u>\$ 14,074 69</u>

## DISBURSEMENTS.

Salaries, regular force-----	\$ 8,482 38
Salaries, call force-----	1,418 78
Extra help at S. & M. Lumber Co., fire	110 10
Coal -----	527 63
Repairs-----	198 98
Feed for horses-----	816 19
Supplies-----	477 08
Shoeing horses-----	136 42
Veterinary services-----	42 75
Washing -----	151 05
Lights-----	259 33
Telephone -----	60 30
Rubber boots and coats-----	99 19
Water rates-----	91 80
Use of bell St. Joseph's church-----	55 00
Fire Wardens-----	1 25 00
500 feet hose-----	275 00
Horses for Hook and Ladder Co.----	93 00
Printing -----	22 40
Disinfectants -----	30 00
Sleighs -----	330 00
Street department for labor-----	43 75
Medicines -----	43 19
One horse-----	100 00
Incidentals -----	85 37
	-----\$ 14,074 69

## FLETCHER FREE LIBRARY.

## RECEIPTS.

Appropriation-----	\$ 2,500 00
--------------------	-------------

## DISBURSEMENTS.

Paid orders of Finance Committee---	\$	2,236	38	
Unexpended balance-----		263	62	
				\$ 2,500 00

## HEALTH DEPARTMENT.

## RECEIPTS.

Appropriation -----	\$	1,600	00	
Overdraft to balance -----		281	88	
				\$ 1,881 88

## DISBURSEMENTS.

H. A. Crandall, M. D., salary and fees-----	\$	745	33	
Jo H. Linsley, examination-----		50	00	
Printing -----		35	00	
Labor -----		730	25	
Quarantine expenses-----		66	00	
Registration fees-----		126	75	
Repairs on Ambulance-----		128	55	
				\$ 1,881 88

## INCIDENTAL DEPARTMENT.

## RECEIPTS.

Appropriation -----	\$	6,000	00	
Rebate insurance-----		52	67	
Overdraft to balance-----		3,685	11	
				\$ 9,737 78

## DISBURSEMENTS.

Lights-----	\$	139	89	
Auditors-----		117	00	
Telephone -----		55	43	

---

J. E. Cushman, legal services-----	\$ 2,081 00
W. L. Burnap, " "-----	900 00
C. J. Ferguson, " "-----	39 43
S. M. Flint, " "-----	20 00
Geo. E. Stratton, stenographer-----	77 50
Geo. E. Johnson, copies-----	11 15
O. P. Ray, term bill-----	22 71
Election expenses-----	343 05
P. Farrell, messenger-----	25 13
Watering troughs-----	390 47
Ice-----	16 56
Printing and advertising-----	1,896 66
City Clerk, postage, etc.-----	42 15
City Treasurer, office and janitor's supplies-----	154 06
Assessors and assistants-----	1,975 25
Stannard Post, G. A. R.-----	100 00
College Park-----	150 00
Land for Elmwood Cemetery-----	350 00
A. Adsit, photographs-----	13 00
Copies for Health Board-----	57 60
Supplies-----	127 82
Scales-----	160 90
H. S. Peck, expenses-----	54 76
Flag for City Hall-----	25 00
Hack and street numbers-----	32 88
R. C. Diocese, street assessment-----	67 84
Sealer of weights and measures-----	31 86
Damages by overflow of sewers-----	105 00
Sundries-----	38 56
Freight on shells-----	15 12



---

Carolus Noyes, legal services -----	\$	100 00	
			\$ 9,737 78

## INTEREST.

## RECEIPTS.

Appropriation -----	\$	18,700 00	
From Water Department -----		10,365 00	
Accrued interest on bonds -----		307 92	
Balance from 1894 assessments -----		15 51	
Overdraft to balance -----		1,809 71	
			\$ 31,198 14

## DISBURSEMENTS.

Paid interest on temporary loans -----	\$	2,281 67	
Paid interest on bonds and notes -----		27,145 50	
Paid interest on Rathburne Fund -----		9 00	
Paid interest on U. S. Deposit Money -----		1,761 97	
			\$ 31,198 14

## LOUISA H. HOWARD FUND.

## RECEIPTS.

Amount of fund -----	\$	500 00
----------------------	----	--------

## DISBURSEMENTS.

Deposited in Burlington Savings Bank -----	\$	500 00
--	----	--------

## LICENSE DEPARTMENT.

## RECEIPTS.

From C. E. Allen, City Clerk -----	\$	718 91
------------------------------------	----	--------

## DISBURSEMENTS.

Transferred to General Fund -----	\$	718 91
-----------------------------------	----	--------

## LICENSE DEPARTMENT "DOGS."

## RECEIPTS.

From C. E. Allen, City Clerk-----	\$	578 00
-----------------------------------	----	--------

## DISBURSEMENTS.

E. W. Peck, damages by dogs-----	\$	3 50
J. O. Northrup, damage by dogs----		20 00
Paid dog killer-----		123 00
Paid Fletcher Library-----		431 50
	\$	578 00

## LIQUOR AGENCY.

## RECEIPTS.

Liquors on hand Jan. 1, 1899-----	\$	812 07
From E. Selden, Agent-----		9,405 45
	\$	10,217 52

## DISBURSEMENTS.

Liquors on hand Jan. 1, 1898-----	\$	1,376 26
E. Selden, Agent, salary-----		800 00
E. Selden, agent, freight and expenses		154 82
Lights-----		29 90
Coal-----		18 75
U. S. tax-----		25 00
Rent and water-----		840 00
Columbia Distilling Co.-----		1,781 38
A. W. Balch & Co.-----		1,500 85
J. B. Ramsay, Jr.-----		861 69
Brotherhood Wine Co.-----		360 12
A. G. Van Nostrand-----		20 00
I. D. Richards & Co.-----		32 50
Devereux & Meserve-----		123 53

---

J. A. Webb & Son-----	\$ 856 57	
J. E. Doherty & Co.-----	32 40	
Stoll, Vannett & Co.-----	69 55	
Hammondsport Wine Co.-----	57 33	
C. Stern & Sons-----	21 76	
King Bohemian Continental Brewing Co. -----	8 57	
Broderick McRae & Co.-----	75 27	
Davis, Waters & Co.-----	84 40	
Continental Brewing Co.-----	23 00	
Wood, Pollard & Co.-----	122 50	
Fox, Fultz & Co.-----	6 13	
Transferred to General Fund-----	935 24	
	<hr/>	\$ 10,217 52

## MINISTERIAL FUND—RENTS.

## RECEIPTS.

From collection of rents-----	\$ 49 48
-------------------------------	----------

## DISBURSEMENTS.

Paid First Calvinistic Congo. Society--\$	24 74	
Paid First Congregational Society----	24 74	
	<hr/>	\$ 49 48

## PAUPER DEPARTMENT.

## RECEIPTS.

Appropriation -----	\$ 8,000 00	
Overdraft to balance-----	1,899 10	
	<hr/>	\$ 9,899 10

## DISBURSEMENTS.

O. W. Poland for well-----	\$ 500 00
Champlain Manufacturing Co. -----	7 00

---

Robinson & Edwards Lumber Co.---	\$	7	80	
T. A. Wheelock-----		92	55	
G. S. Blodgett Co.-----		161	32	
H. C. Smith -----		2	00	
M. Boyd, care of Roach children----		12	30	
M. Benoit, care of M. Dischmond ---		41	71	
D. C. Barber, overseer -----		9,074	42	
				\$ 9,899 10

## PUBLIC BUILDINGS AND PARKS.

## RECEIPTS.

Appropriation -----	\$	3,300	00	
Overdraft to balance-----		104	56	
				\$ 3,404 56

## DISBURSEMENTS.

Janitor of City Hall-----	\$	420	00	
Care of City Park-----		100	00	
Care of Battery Park-----		291	00	
Care of Hyde Street Park -----		15	00	
Coal-----		331	63	
Repairs-----		423	72	
Insurance-----		52	50	
Lights in Band Stand-----		13	37	
Supplies -----		61	07	
Concreting-----		375	20	
Ice-----		59	47	
Water-----		269	60	
Sprinkling tax -----		149	41	
Lockers for Fire Stations-----		79	40	
Street Department-----		548	42	
Storing tools -----		3	50	

---

Stall floors for Fire Station-----	\$	76	45	
Plants for Parks-----		136	82	
				\$ 3,406 56

---

## PUBLIC BUILDINGS—RENTS.

## RECEIPTS.

City Hall-----	\$	124	00	
Boxer Engine Co. -----		10	00	
S. T. Greene-----		21	08	
Burlington Rink Association-----		100	00	
Water Department-----		400	00	
Liquor Agency-----		840	00	
Cherry Street House-----		30	00	
O. W. Poland-----		97	80	
				\$ 1,622 88

## DISBURSEMENTS.

Transferred to General Fund-----	\$	1,622	88	
----------------------------------	----	-------	----	--

## SALARY ACCOUNT.

## RECEIPTS.

Appropriation-----	\$	5,700	00	
--------------------	----	-------	----	--

## DISBURSEMENTS.

H. S. Peck, Mayor to April 1st-----	\$	125	00	
E. M. Sutton, Mayor from April 1st-----		375	00	
C. E. Allen, City Clerk salary and clerk -----		1,700	00	
L. C. Grant, City Treasurer, salary and clerk -----		1,500	00	
O. R. Mason, Alderman salary-----		200	00	
W. J. Edgecumbe, " " -----		200	00	
Geo. D. Wright, " " -----		50	00	

---

J. J. Shea, Alderman salary-----	\$	200	00
H. J. Gutchell, " "-----		150	00
Geo. G. Munson, " "-----		200	00
J. R. Kelley, " "-----		200	00
C. S. Isham, " "-----		200	00
E. S. Adsit, " "-----		200	00
H. M. Phelps, " "-----		50	00
J. W. Hayes, " "-----		150	00
J. W. Johnson, " "-----		150	00
Unexpended balance-----		50	00
		<hr/>	
	\$	5,700	00

## SCHOOL FUND—RENTS.

## RECEIPTS.

From collections of rents-----	\$	106	30
--------------------------------	----	-----	----

## DISBURSEMENTS.

Paid H. H. Wheeler, Treasurer			
South Burlington-----	\$	23	27
Transferred to School Department---		83	03
		<hr/>	
	\$	106	30

## SCHOOL DEPARTMENT.

## RECEIPTS.

Appropriation-----	\$	55,300	00
Interest on U. S. Deposit Money ----		1,761	97
Interest on Huntington Fund-----		555	99
Interest on other funds-----		56	56
H. F. Field, State Treasurer-----		1,996	84
Rents of leased lands-----		83	03
H. O. Wheeler, tuitions. etc.-----		1,731	09
		<hr/>	
	\$	61,485	48

## DISBURSEMENTS.

Paid warrants drawn by Finance Committee -----	\$ 61,481 95
Unexpended balance-----	3 53
	-----\$ 61,485 48

## HIGH SCHOOL LOT AND BUILDING.

Paid warrants drawn -----	\$ 27,310 74
---------------------------	--------------

## STREET DEPARTMENT.

## RECEIPTS.

Balance January 1, 1898-----	\$ 517 94
Appropriation -----	25,631 09
From H. F. Field, State Treasurer--	320 27
Street and sprinkling assessments----	19,713 38
Account Buell Street extension-----	700 10
From H. Stevens, Supt.-----	3,264 08
	-----\$ 50,146 86

## DISBURSEMENTS.

Paid H. Stevens, Supt. -----	\$ 49,820 79
Unexpended balance-----	326 07
	-----\$ 50,146 86

## STREET DEPARTMENT—PERMANENT.

## DISBURSEMENTS.

Balance January 1, 1898-----	\$ 74,812 94
Paid H. Stevens, Supt.-----	23,680 40
	-----\$ 98,493 34

## RECEIPTS.

From H. Stevens, Supt.-----	\$1,305 87
Net disbursements to date-----	97,187 47
	-----\$ 98,493 34



## SEWER DEPARTMENT.

## RECEIPTS.

Appropriation -----	\$	1,000	00
Assessments -----		3,092	31
From H. Stevens, Supt.-----		369	62
Overdraft to balance -----		127	77
	\$	4,589	70

## DISBURSEMENTS.

Paid H. Stevens, Supt.-----	\$	4,589	70
-----------------------------	----	-------	----

## STREET LIGHT DEPARTMENT.

## RECEIPTS.

Appropriation-----	\$	12,700	00
--------------------	----	--------	----

## DISBURSEMENTS.

Consolidated Electric Co.-----	\$	12,663	13
H. C. Smith, light in Mechanic St.---		10	00
Unexpended balance-----		26	87
	\$	12,700	00

## WATER DEPARTMENT.

## RECEIPTS.

Appropriations-----	\$	48,683	32
F. H. Crandall, Supt.-----		637	64
	\$	49,320	96

## DISBURSEMENTS.

F. H. Crandall, Supt.-----	\$	49,306	18
Unexpended balance-----		14	78
	\$	49,320	96

## WATER COLLECTIONS.

## RECEIPTS.

F. H. Crandall, Supt.-----	\$	45,958	84
----------------------------	----	--------	----

## DISBURSEMENTS.

Transferred to General Fund ----- \$ 45,958 84

## TAX BILL, 1898.

Amount from City Clerk-----	\$192,449 58
Fourteen hundred forty-eight names--	144 80
Five per cent added to delinquents---	662 79
	-----\$193,257 17
Collections-----	\$181,840 09
Abatements to Treasurer-----	195 75
Abatements to Constable :-----	384 51
Balance uncollected in hands of Con-	
stable -----	10,836 82
	-----\$193,257 17

## SINKING FUND.

Balance January 1, 1898-----	\$167,145 95
Appropriation-----	6,407 77
From Water Department-----	2,259 16
Interest-----	5,760 00
	-----\$181,572 88

## BONDED DEBT.

Water Bonds due 1906-----	\$160,000 00
Railroad Bonds due 1911-----	160,000 00
Improvement Bonds due 1913-----	20,000 00
School Bonds due 1913-----	37,000 00
Water Bonds due 1914-----	30,000 00
Improvement Bonds due 1914-----	15,000 00
School Bonds due 1914-----	20,000 00
Street Improvement Bonds due 1914--	20,000 00
Street Improvement Bonds due 1915--	20,000 00
School Bonds due 1915-----	25,000 00

---

Street Improvement Bonds due 1916-	20,000 00
Street Improvement Bonds due 1917-	20,000 00
Street Improvement Bonds due 1918-	20,000 00
Water Bonds due 1919 -----	65,000 00
School Bonds due 1923-----	85,000 00
Water Notes due 1899-----	4,000 00
School Notes due 1907-----	6,000 00
School Notes due 1899-----	9,000 00
School Notes due 1900-----	9,000 00
School Notes due 1901-----	9,000 00
	<hr/>
	\$754,000 00
Less Sinking Fund -----	181,572 88
	<hr/>
Net debt -----	\$572,427 12

## TREASURER'S BALANCE SHEET, DECEMBER 31, 1898.

ACCOUNTS.	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Water bonds-----	-----	\$ 160,000 00	-----	\$160,000 00
Railroad bonds-----	-----	160,000 00	-----	160,000 00
School bonds-----	-----	37,000 00	-----	37,000 00
Reservoir notes-----	-----	2,500 00	-----	-----
Rathbun fund-----	\$ 2,500 00	150 00	-----	150 00
Loans-----	160,000 00	189,366 22	-----	29,366 22
Sinking fund investment-----	171,000 00	-----	\$171,000 00	-----
Railroad stock-----	160,000 00	-----	160,000 00	-----
Louisa H. Howard fund-----	500 00	-----	500 00	-----
Water works construction-----	303,100 00	-----	303,100 00	-----
City Hall building-----	8,648 18	-----	8,648 18	-----
State school tax-----	6,439 97	6,439 97	-----	-----
Louisa H. Howard fund-----	41,741 94	500 00	-----	500 00
Improvement of streets and sewers-----	-----	-----	41,741 94	-----
County tax-----	644 00	644 00	-----	-----
Hydrant tax-----	3,480 00	3,480 00	-----	-----
License department-----	718 91	718 91	-----	-----
License department "dogs"-----	578 00	578 00	-----	-----
Ministerial fund "rents"-----	49 48	49 48	-----	-----
Pauper department-----	9,899 10	8,000 00	1,899 10	-----
Converse school building-----	37,000 00	-----	37,000 00	-----
Sinking fund-----	-----	181,572 88	-----	181,572 88
Street lights-----	12,673 13	12,700 00	-----	26 87
State highway tax-----	6,439 97	6,439 97	-----	-----
School funds "rents"-----	106 30	106 30	-----	-----
Improvement bonds-----	-----	20,000 00	-----	20,000 00
State tax-----	6,439 97	6,439 97	-----	-----
Colchester ave. and North ave. schools-----	26,000 00	-----	26,000 00	-----

## TREASURER'S BALANCE SHEET, DECEMBER 31, 1898.—Table Continued.

ACCOUNTS.	DEBIT.	CREDIT.	CR. BALANCE.	DR. BALANCE.
Lawrence Barnes school.....	24,903 16		24,903 16	
Bond issue expense.....	3,037 50	3,037 50		
Improvement bonds.....		15,000 00		15,000 00
School bonds.....		30,000 00		30,000 00
Tax collections 1894.....	50 24	50 24		
School bonds.....		20,000 00		20,000 00
Street improvement bonds.....		100,000 00		100,000 00
Water bonds.....		65,000 00		65,000 00
Water notes.....	4,000 00	8,000 00		4,000 00
School notes.....		6,000 00		6,000 00
Sprinkling tax 1896.....	14 37	14 37		
General fund.....	232,420 78	243,083 82		10 663 04
Street improvement.....	98,493 34	1,305 87	97,187 47	
Salaries.....	5,650 00	5,700 00		50 00
School bonds.....		25,000 00		25,000 00
Sewer and sidewalk assessments, 1894.....	886 77	886 77		
Sewer and sidewalk assessments, 1896.....	4,963 95	1,643 56	3,320 39	
Sewer and sidewalk assessments, 1897.....	7,823 65	2,764 47	5,059 18	
Liquor agency.....	10,218 12	9,406 05	812 07	
Sewer and sidewalk assessments, 1895.....	1,468 80	603 86	864 94	
Sewer department.....	4,589 70	4,461 93	127 77	
Tax collections, 1895.....	41 78	41 78		
Interest.....	31,198 14	29,388 43	1,809 71	
Incidental department.....	9,737 78	6,052 67	3,685 11	
Pumping station lot.....	10,617 02		10,617 02	
Sprinkling tax, 1897.....	100 17	100 17		
Sprinkling tax, 1898.....	5,262 65	4,859 44	403 21	
Band concerts.....	1 000 00	1,000 00		

## TREASURER'S BALANCE SHEET, DECEMBER 31, 1898.—Table Concluded.

ACCOUNTS	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Tax collections, 1896.....	542 02	542 02	---	---
Tax collections, 1897.....	3,986 92	3,986 92	---	---
Street department.....	49,893 47	50,219 54	---	326 07
Criminal and police.....	7,331 39	8,070 89	---	739 50
Criminal costs and fines.....	1,360 38	1,360 38	---	---
Fire department.....	14,074 69	14,051 80	22 89	---
Water department.....	49,306 18	49,320 96	---	14 78
Public buildings and parks.....	3,406 56	3,300 00	106 56	---
Public buildings "rents".....	1,622 88	1,622 88	---	---
School department.....	61,481 95	61,485 48	---	3 53
Health department.....	1,881 88	1,600 00	281 88	---
Fletcher Library.....	2,236 38	2,500 00	---	263 62
Water collections.....	45,958 84	45,958 84	---	---
High school.....	27,310 74	---	27,310 74	---
School notes.....	---	15,000 00	---	15,000 00
Pomerooy school.....	13,900 00	---	13,900 00	---
Cemetery commissioners.....	500 00	500 00	---	---
Sewer and sidewalk assessments, 1898.....	17,428 50	8,165 52	9,262 98	---
Tax collections, 1898.....	181,840 09	181,840 09	---	---
School bonds.....	---	85,000 00	---	85,000 00
Greene street extension.....	1,547 00	1,600 00	---	53 00
Buell street extension.....	10,000 00	---	10,000 00	---
School notes.....	---	12,000 00	---	12,000 00
Cash.....	18,165 21	---	18,165 21	---
	\$ 1,928,211 95	\$ 1,928,211 95	\$ 977,729 51	\$ 977,729 51

Burlington, Vt., Dec. 31, 1898.

We have examined the accounts, books and vouchers of L. C. Grant, City Treasurer, from January 1st, to Dec. 31st, 1898, inclusive, and find them correct. We also find in his hands securities for the sinking fund and the trust funds of the cemeteries.

L. C. GRANT, City Treasurer.  
 GEO. W. BECKWITH,  
 JOHN C. FARRAR,  
 THOMAS FAILEY, }  
 Auditors.

## SALARIES, OR OTHERWISE, OVER \$300, PAID.

E. M. Sutton, Mayor-----	\$ 500 00
L. C. Grant, City Treasurer, and Clerk-----	1,500 00
C. E. Allen, City Clerk-----	1,500 00
G. A. Dow, Ass't City Clerk-----	780 00
H. A. Crandall, M. D., Health Officer and fees---	600 73
H. M. McIntosh, City Engineer-----	787 00
D. C. Barber, Overseer of the Poor-----	500 00
E. Selden, Liquor Agent-----	800 00
Patrick Farrell, Ass't Janitor City Hall, etc.-----	520 00

## SCHOOL DEPARTMENT.

H. O. Wheeler, Superintendent-----	\$1,500 00
Isaac Thomas, Principal High-----	2,000 00
Effie Moore, 1st Ass't High-----	800 00
Florence L. Burdick, 2d Ass't High-----	500 00
Phebe M. Towle, 3d Ass't High-----	600 00
Nelle A. Mower, 4th Ass't High-----	500 00
Annie L. Sherburne, 5th Ass't High-----	500 00
Annie T. Smith, teacher of French, High-----	550 00
Mary E. Wells, Principal Grammar-----	1,000 00
Winifred M. Collins, 1st Ass't Grammar-----	500 00
Mary E. Drew, 2d Ass't Grammar-----	450 00
Ellen H. Vilas, Principal Main street Grammar---	550 00
Adelle S. Lee, teacher C Grammar-----	400 00
Frances L. Hobart, B and C Primary-----	400 00
Sarah A. Martin, Principal Converse-----	600 00
Maria B. Harty, A Intermediate, Converse-----	450 00
Clara M. Lawrence, B Intermediate, Converse-----	450 00
Jennie M. Mathews, C Intermediate, Converse-----	450 00
Mary A. Farrell, A Primary, Converse-----	450 00
Nellie D. Butts, B Primary, Converse-----	450 00
Annie A. Smith, C Primary, Converse-----	450 00
Flora Canfield, Kindergarten, Converse-----	325 00
Mary B. Mayo, Principal Lawrence Barnes-----	600 00
Jessie G. Lane, A Intermediate, Lawrence Barnes---	450 00
Minnie M. Barker, B Intermediate, Lawrence Barnes---	450 00
M. Aurelia Peck, C Intermediate, Lawrence Barnes---	400 00
Josephine A. Metts, A Primary, Lawrence Barnes---	450 00



---

Jessie A. Chase, B Primary, Lawrence Barnes-----	\$ 450 00
Emma C. Lanou, C Primary, Lawrence Barnes-----	450 00
Mary E. Russell, C Primary, Lawrence Barnes-----	350 00
Emily G. Bliss, Kindergarten, Lawrence Barnes-----	325 00
Cora B. Drew, Principal Ira Allen-----	550 00
Charlotte W. Graves, B and C Interm. Ira Allen--	450 00
Della L. Calvert, A and B Primary, Ira Allen-----	450 00
Estelle M. Packard, C Primary, Ira Allen-----	400 00
Harriet Towne, Principal Pomeroy-----	575 00
Dora E. Smith, A Intermediate, Pomeroy-----	425 00
Anna L. Burdham, B Intermediate, Pomeroy-----	425 00
Mary E. Enright, C Intermediate, Pomeroy-----	425 00
Maude M. Weeks A Primary, Pomeroy-----	425 00
Lida M. Lano 1, B Primary, Pomeroy-----	425 00
Frances M. Lewis, C Primary, Pomeroy-----	425 00
Adilade Morgan, Kindergarten, Pomeroy-----	300 00
Emma J. Chapman, Intermediate Principal, Adams	550 00
Minnie A. Goodell, 1st Ass't, Adams-----	425 00
Ella J. Barrows, 2d Ass't, Adams-----	375 00
Kate P. Miller, Primary Principal, Adams-----	550 00
Nellie Ayling, 1st Ass't Primary, Adams-----	400 00
Winifred E. Rice, 2d Ass't Primary, Adams-----	350 00
Harriet Walker, Kindergarten, Adams-----	325 00
Lois M. Malaney, Principal Archibald St. Primary--	550 00
Mary E. Parker, 1st Ass't Archibald St. Primary--	400 00
Josephine M. Everett, 2d Ass't Archb'd St. Primary	375 00
Rosalyn M. Spaulding, Principal, S. W. Thayer--	400 00
Laura L. Brownell, Principal Park Ave. Primary--	400 00
Emma A. Robair, Ass't Park Ave. Primary-----	325 00
Cornelia C. Underwood, teacher, ungraded-----	400 00
Ella K. Herrick, teacher, drawing-----	500 00
J. H. Humphrey, teacher, music-----	1,000 00
Henry Rice, Janitor, High-----	400 00
W. H. Watkins, Jan. Adams and Main St. Gram.--	400 00
Madison Paxton, Jan. Arch. St. Prim. and Ungrad.	400 00
M. C. Spelman, Janitor Converse-----	400 00
Joseph Pine, Janitor Lawrence Barnes-----	400 00

## LIBRARY DEPARTMENT.

Sarah C. Hagar, Librarian-----	\$ 800 00
Lizzie R. Moore, Ass't Librarian-----	500 00

## HEALTH DEPARTMENT.

Patrick Murphy, in charge of dump-----\$ 395 00

## WATER DEPARTMENT.

F. H. Crandall, Superintendent-----\$1,000 00  
 J. W. Thomas, Engineer-----910 00  
 William Cassidy, Foreman-----795 25  
 Oscar Heininger, Chief Meter Inspector-----649 10  
 M. A. Stone, Foreman-----592 25  
 George Ayers, Engineer-----561 54  
 A. J. Howard, Fireman-----546 00  
 Louis Steady, Fireman-----546 00  
 Dennis Brodie, Teamster-----492 59  
 John Leach, Inspector-----487 24  
 Emile Guerin, Inspector-----424 33  
 Fannie P. Eady, Bookkeeper-----400 00  
 C. B. Fisk, Inspector-----364 08  
 Patrick Hassett, Laborer-----360 39  
 James Ready, laborer-----359 29  
 Alex. Myers, laborer-----345 06  
 Joseph Myers, laborer-----335 60  
 Kittie McCaffrey, stenographer-----312 00  
 John Gemond, laborer-----304 12  
 Warren White, laborer-----303 88

## FIRE DEPARTMENT.

Moses Murray, Chief Engineer-----\$ 800 00  
 William J. Brown, Captain Station 1-----598 00  
 Michael Lynch, Captain Station 2-----598 00  
 W. F. Wills, Captain Station 3-----607 20  
 E. R. Brew, Captain Station 4-----598 00  
 Henry Riley, Electrician-----596 07  
 Douglas Archibald, driver Station 1-----477 23  
 Edward Lynch, driver Station 2-----538 20  
 D. W. Ingalls, driver Station 3-----538 20  
 Fred F. Miller, Pipeman Station 1-----473 14  
 Henry Bouchard, Pipeman Stations 1-3-----478 24  
 W. H. Malaney, Pipeman Stations 1-2-----478 40  
 James M. Cosgrove, Pipeman Stations 1-3-----481 85  
 Joseph Baker, Driver and Fireman Station 1-----452 44  
 Charles A. Niles, Driver and Fireman Station 1-----538 20

## STREET DEPARTMENT.

Herald Stevens, Superintendent-----	\$1,000 00
L. A. Walker, Asst. Superintendent-----	624 00
George W. Beckwith, Clerk-----	543 00
Clovis Lavelley, hostler-----	546 00
E. H. Chambers, driver-----	439 80
Peter Dorey, driver-----	377 35
Henry Lavelley, driver-----	382 45
Joseph Parker, driver-----	306 60
John Seymour, driver-----	416 65
Joseph Young, driver-----	316 20
Henry Volz, foreman-----	361 80
J. E. P. Wright, foreman-----	403 00
Daniel Wall, blacksmith-----	319 20
George H. Niles, engineer, steam roller-----	322 20
Michael Cook, engineer, crusher-----	411 75
Jerry McCarty, engineer, crusher-----	400 15
John Casey, engineer, steam roller-----	381 91
John Coleman, paver-----	538 40
Louis Hart, paver-----	403 09
Frank Hammond, rodman-----	308 24
Peter Duran, laborer-----	363 60
Peter Lemaire, laborer-----	322 30
C. S. Moss, laborer-----	377 05
W. P. Murphy, laborer-----	342 63
Peter Rousseau, laborer-----	315 93
William Andrews, team-----	446 95
J. G. Bacon, team-----	371 50
Guy Chambers, team-----	320 95
Joseph Cross, team-----	370 30
Gay & Henderson, team-----	377 65
F. H. McCale, team-----	402 50
John Riley, team-----	377 65
Alex. Seymour, team-----	379 40
H. R. Thomas, team-----	364 70
David Weston, team-----	408 75

## CEMETERY DEPARTMENT.

Mathew Collins, sexton Lake View and Green Mt.--\$	730 00
Hiram Hanscom, sexton Elmwood-----	385 97

## POLICE DEPARTMENT.

L. J. Smith, Chief-----	\$ 981 70
P. J. Cosgrove, Policeman-----	500 98
M. C. Graton, Policeman-----	412 50
T. H. Kelley, Policeman-----	404 25
E. P. McElligott, Policeman-----	495 27
P. J. Russell, Policeman-----	439 52

## LAW DEPARTMENT.

J. E. Cushman, as City Attorney, 1897-1898-----	\$2,081 00
W. L. Burnap, legal services-----	900 00
D. J. Foster, City Attorney-----	327 00

# REPORT OF THE SUPERINTENDENT

## OF

# The Mary Fletcher Hospital.

Number of patients treated from Dec. 1, 1897, to Dec.		
1, 1898,-----	\$	1,198
Number who remained at the Hospital-----	842	
Number treated as "out-door" patients-----	356	
	-----	1,198
Number admitted who paid the regular rate		
(\$10.00 per week)-----	140	
Number admitted who paid less (average		
\$5.04 per week) -----	198	
Number admitted free of charge-----	504	
Number of "out-door" patients also free of		
charge-----	356	
	-----	1,198

The clinical work is constantly increasing. An out-patient department for eye, ear and throat cases, is in session every Tuesday and Friday from 4 to 6 P. M.

### EXTENT OF CHARITY.

The following statement will enable the public to see to what extent the Hospital is a public charity :

Adding together the number of days spent in the Hospital by each patient from December, 1897, to December, 1898, and dividing the total by 7, we find :

---

Free patients cared for-----	2,018 weeks.
Patients paying \$10 per week-----	351 “
Patients paying less than \$10-----	820 “
Amount received from patients-----	\$7,640 89
Average paid by paying patients per week----	6 53
Actual expense per week for each patient, paying and free. not reckoning interest on plant and equipment-----	7 59

This makes each “paying patient” receive an average of \$1.06 per week as charity, besides the benefit of the equipment and of gratuitous medical and surgical care, and leaves a balance of 2018 weeks as pure charity, to free patients. For part of this charity, of course. the donors of free beds are entitled to the gratitude of the recipients.

The daily average of the patients throughout the year has been  $61\frac{1}{8}$ .

B. J. ANDREWS, M. D.,  
Superintendent.

## MAYOR'S ESTIMATES, 1899.

*To the Honorable the Board of Aldermen of the City of Burlington :*

GENTLEMEN :—In compliance with the provisions of the City Charter, I respectfully submit the following statement of assets, liabilities and estimates for the ensuing year.

### ASSETS OF THE CITY JANUARY 1, 1899.

Cash on hand-----	\$ 18,165 21
Street assessments -----	18,606 74
Uncollected taxes (estimated collect- able)-----	14,874 54
Cherry Street property (for sale) ----	1,000 00
Howard Hose House (for sale, now temporarily used by Scool Depart- ment) -----	3,000 00
Liquors in Agency-----	812 07
Uncollected water taxes 1898-----	107 57
Uncollected sprinkling taxes, 1898---	403 21
	----- \$ 56,969 34

### LIABILITIES.

Due Permanent Improvement Fund of Streets-----	\$ 2,812 53
Due High School Building Fund----	72,689 26
Due Street Department-----	326 07
Due Sinking Fund-----	10,572 88
	----- \$ 86,400 74
Net liabilities January 1, 1898-----	29,431 40

In explanation of the liabilities, I would say that

I have deducted \$13,060 40 from the uncol-



lected taxes, which I consider doubtful. I have also deducted \$200 from the Cherry Street property. We also paid in 1898, \$10,000 for the extension of Buell Street, and \$1,900 for the purchase of additional land for Pomeroy School, for which items no provision was made when the taxes were levied. Total amount of these items-----\$ 25,160 40 which deducted from the liabilities, leaves a ----- balance of -----\$ 4,271 00

## ESTIMATED CURRENT EXPENSES FOR 1899.

Net liabilities -----	\$ 29,431 40
Highways -----	25,000 00
Sinking Fund-----	6,350 00
State highway tax-----	6,365 08
State School tax-----	6,365 08
State tax 10 cents -----	13,730 16
County tax-----	636 50
Schools (asked for)-----	51,000 00
Library-----	2,300 00
Police -----	7,000 00
Fire-----	14,000 00
Buildings and Parks-----	2,500 00
Street lights-----	12,880 00
Health -----	2,000 00
Incidentals-----	5,000 00
Sewers -----	1,000 00
Pauper department -----	8,000 00
Salaries -----	5,700 00
Interest on bonds and notes, less amount paid by water department	19,055 00

---

Interest on temporary loans-----	2,000 00	
Hydrant tax -----	3,480 00	
Notes due in 1899 -----	13,000 00	
	<hr/>	\$236,793 22

## ESTIMATED RECEIPTS FOR 1899.

Rents -----	\$ 1,500 00	
Licenses-----	800 00	
Criminal department-----	1,000 00	
	<hr/>	\$ 3,300 00

The above amount deducted from the amount of estimated expenses leaves a balance of \$233,493 22 to be provided for by tax of 1899. Owing to the new appraisal of our real estate, which takes effect this year, I am unable to make a correct estimate of the amount of our grand list for 1899, hence cannot safely say what rate of taxation will be required to produce the desired amount.

In making a statement of the financial condition of our city, I have endeavored to present it to you in a simple manner, and believe that there are now no items in the assets herein presented which have not the full cash value indicated.

Respectfully submitted,

E. M. SUTTON, Mayor.

# REPORT

## OF THE

### Trustee of United States Deposit Money.

For the year ending December 31, 1898.

---

Amount of U. S. Deposit Money-----\$29,366 22

The above is loaned to the City of Burlington.

#### INCOME FROM ABOVE LOAN.

From City Treasurer, interest-----\$1,761 97

#### DISBURSEMENTS.

Paid H. O. Wheeler, Superintendent of schools----\$1,761 97

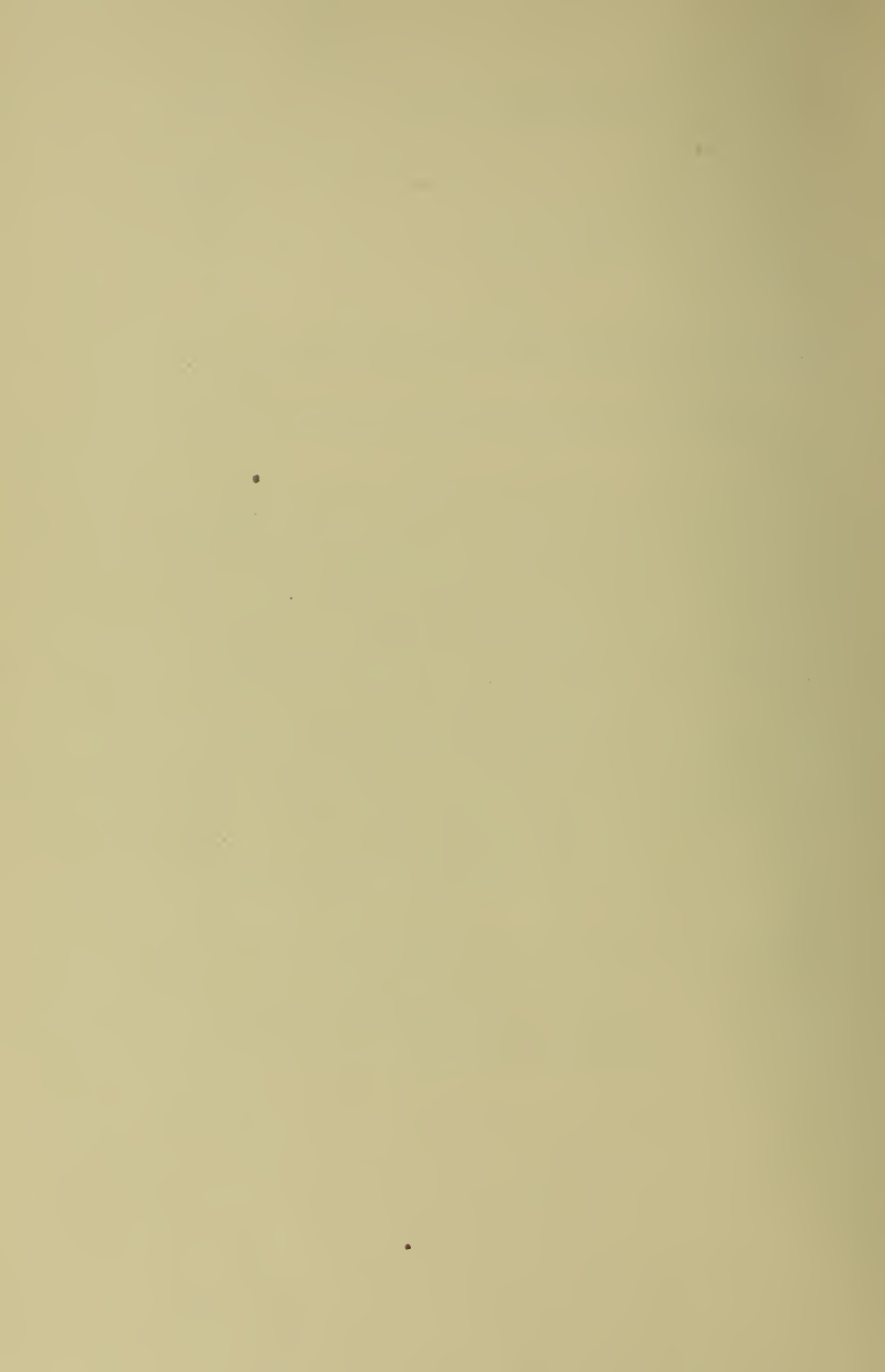
Respectfully submitted,

L. C. GRANT,

Trustee U. S. Deposit Money.

We have examined the above account of the Trustee of the United States Deposit Fund and find it correct.

GEO. W. BECKWITH,	}	Auditors.
JOHN C. FARRAR,		
THOMAS FAILEY.		



---

## AMENDED HEALTH ORDINANCE.

---

### CITY OF BURLINGTON.

---

In the year one thousand eight hundred and ninety-nine, an ordinance in relation to Health Department and Regulations.

*It is hereby ordained by the City Council of the City of Burlington, as follows :*

SECTION 1 of Chapter XV of the Revised Ordinances of the City of Burlington is hereby amended so as to read as follows :

SECTION 1. No person or corporation shall harvest for sale in this city, ice in the Winooski river below Fort Ethan Allen, or in Lake Champlain east of the breakwater and a straight line from the northerly end thereof to the northwesterly corner of the pumping station and a straight line from the southerly end thereof to Marks' Bay Point; and no person or corporation shall sell or offer for sale in this city, ice harvested in the Winooski river south of Fort Ethan Allen, or in Lake Champlain east of the breakwater and said lines.

By inserting after Sec. 1 of said chapter the following :

SECTION 2. In harvesting ice in Lake Champlain, for sale in this city, no person or corporation shall float it through the water to the shore; and no person or corporation shall sell or offer for sale in this city, ice that has been floated through the water of Lake Champlain from the harvesting place to the shore. And no person shall sell or offer for sale in this city, ice harvested in any locality other than Burlington harbor in Lake Champlain until the same has been examined and approved by the Health Officer.

In the same chapter by substituting in place of the word and figure "Sec. 2" the word and figure Sec. 3.

And in place of the word and figure "Sec. 3" the word and figure Sec. 4.

And in place of the word and figure "Sec. 4" the word and figure Sec. 5.

And in place of the word and figure "Sec. 5" the word and figure Sec. 6.

And in place of the word and figure "Sec. 6" the word and figure Sec. 7.

And in place of the word and figure "Sec. 7" the word and figure Sec. 8.



AMENDMENTS  
TO THE  
CITY CHARTER,

Adopted by the Legislature of Vermont, 1898.

NO. 183.—AN ACT TO AMEND THE CHARTER OF THE CITY  
OF BURLINGTON.

*It is hereby enacted by the General Assembly of the State of Vermont :*

SECTION 1. Section 2 of "An act to amend the charter of the city of Burlington," approved November 23d, 1896, is hereby amended by adding thereto at the end thereof the following :

*And the city council are empowered to make such changes from time to time in the boundaries of the several wards of the city as they may deem proper, having regard, so far as practicable and convenient, to an equal division of population among them ; provided that after the first change so made such changes shall not be made oftener than once in five years.*

SEC. 2. Section 3 of said act is hereby so amended as to read as follows :

The administration of all the fiscal, prudential and municipal affairs of said city and the government thereof, except as herein otherwise provided, shall be vested in a principal officer to be styled the mayor and a body of ten members to be denominated the board of aldermen. The board of aldermen shall elect one of their members president thereof. The mayor and board of aldermen in their joint capacity shall be called the city council. The mayor shall be chosen annually. The members of the board of aldermen shall hold office for the term of two years ; and one alderman shall be annually elected in each ward. The mayor and aldermen shall be sworn to the faithful discharge of their respective duties.

SEC. 3. Section 5 of said act is hereby so amended as to read as follows :

All meetings of the board of aldermen shall be public except when action is taken upon nominations to office made by the mayor, and all meetings of the city council shall be public except such as are held for the appointment of officers.



SEC. 4. Section 8 of said act is hereby so amended as to read as follows :

Special meetings may be called at any time by the mayor, and shall be called by the clerk on petition signed by a majority of the aldermen and filed with said clerk. Notice of all special meetings shall be served on the aldermen, unless service thereof shall be accepted by them, by some person appointed for such purpose by the one calling such meetings, by delivering to each alderman a true and attested copy of such call, or by leaving such copy at the house of his usual abode, with the return thereon of the person serving the same.

SEC. 5. Section 12 of said act is hereby so amended as to read as follows :

The mayor shall be the chief executive officer of said city ; he shall use his best efforts to see that the laws and city ordinances are enforced and that the duties of all subordinate officers are faithfully performed. He shall take care that the funds of the city are properly expended and shall recommend to the consideration of the board of aldermen whatever measures he may deem necessary for prudentially and efficiently carrying on the affairs of the city. In his absence from the city, the president of the board of aldermen shall act as mayor. It shall be the duty of the mayor to give the city clerk a written notice of his absence from the city and of his return, which notices shall be filed by the city clerk and shall be prima facie evidence of the right of the president of the board of aldermen to act as mayor during the absence in such notices designated. The city clerk shall promptly notify the president of the board of aldermen of the filing of the notices herein provided for.

SEC. 6. Section 15 of said act is hereby repealed.

SEC. 7. Section 16 of said act is hereby so amended as to read as follows :

For the enacting of all ordinances and by-laws and the transaction of any other business provided to be done by the city council, except such as is designated in section 6 of this act, the mayor shall not preside over or sit with the board of aldermen and the action of the board of aldermen shall require the approval of the mayor except as herein otherwise provided. If the mayor shall approve any ordinance or by-law or any resolution or vote of the board of aldermen in respect to the business above referred to, he shall sign the same.

SEC. 8. Section 19 of said act is hereby so amended as to read as follows :

On the first Tuesday in March of each year, the legal voters of the city shall, from among the legal voters thereof, elect a mayor, and on said first Tuesday in March in each year, the legal voters in each ward shall, from among the legal voters thereof, elect one alderman and all ward officers hereinafter named.

SEC. 9. Section 23 of said act is hereby so amended as to read as follows :

In case of a vacancy in the office of mayor, occasioned by death, resignation, removal from said city, permanent inability to serve, failure to elect or disqualification of the person chosen, the president of the board of alder-

men shall act as mayor for the remainder of the mayor's official term ; and in case of any vacancy in the board of aldermen from any of the above mentioned causes, the same shall be filled by a new election in the proper ward ; and if any aldermen shall remove out of the ward for which he may have been elected, his office shall thereupon become vacant and the same shall be filled by a new election in the proper ward ; and in case there shall arise an occasion for any such new election, for any of the above mentioned causes, the same shall be held within thirty days from the date of such vacancy, provided such vacancy shall occur before the first day of October in any year ; otherwise it shall be filled at the next annual city election.

SEC. 10. Section 29 of said act is hereby so amended as to read as follows :

Every male citizen of this state not less than twenty-one years of age who shall have resided in said city for three months next preceding any city or ward election and whose list shall have been taken for the purpose of taxation in said city at the annual assessment next preceding any election of city officers therein, and every such citizen whose poll is exempt from taxation for any cause, shall be a legal voter at said election, and no other person shall be allowed to vote at any such election.

SEC. 11. Section 40 of said act is hereby so amended as to read as follows :

For all city or ward elections, and also for the election of justices of the peace in said city, the city clerk shall prepare all official ballots in the same manner and subject to all the provisions of the laws of this state providing for and regulating the preparation and distribution of official ballots in towns and cities ; except, however, that said clerk shall cause to be printed for every ward in said city not less than one hundred votes for every fifty names or fractional part thereof on the voting list prepared and posted in such ward for said election ; and further provided, that said city clerk shall deliver to the inspectors of election in each ward at said city clerk's office on the day of such election and before the hour for opening the polls in said ward, such number of blocks of ballots containing one hundred each as shall nearest represent one-half of the whole number required to be printed for such ward, and shall retain the balance of the ballots for each ward so prepared by him.

SEC. 12. Section 43 of said act is hereby repealed.

SEC. 13. Section 44 of said act is hereby amended by adding thereto at the end thereof the following :

*And at all general meetings of the legal voters of said city, the mayor shall preside with the powers of a moderator in town meetings.*

SEC. 14. Section 64 of said act is hereby so amended as to read as follows :

The city council may authorize the issuance by said city of negotiable notes or bonds which by their terms may be paid under the restrictions hereinafter set forth to pay or retire outstanding and unpaid negotiable notes or bonds of said city.

SEC. 15. Section 89 of said act is hereby so amended as to read as follows :

A full record of expenditures shall be kept ; and a clear statement of the affairs of the city generally, including all receipts and disbursements of city moneys and the name and amount of compensation for services from the city of every person receiving such compensation by way of salary or otherwise to the amount of three hundred dollars or more per year, shall be annually published under the direction of the mayor at least two weeks before the annual city election and any city officials responsible in whole or in part for a failure to substantially comply with the provisions of this section, shall be ineligible to hold office under the authority of this charter for the year next ensuing after such failure so to comply with the provisions of this section.

SEC. 16. Section 107 of said act is hereby so amended as to read as follows :

There shall be maintained in said city a board of street commissioners, a board of assessors, a board of water commissioners and a board of cemetery commissioners, each to consist of three legal voters of said city, not more than two of whom shall belong to the same political party.

SEC. 17. Section 116 of said act is hereby so amended as to read as follows :

The city council shall have power for such causes of incapacity, negligence or bad conduct as to it shall seem sufficient to suspend or remove from office any city officer who may be elected or appointed by the city council and to fill all vacancies thereby created.

SEC. 18. Section 118 of said act is hereby so amended as to read as follows ;

No city official shall be directly or indirectly interested in any contract with said city for an amount in excess of ten dollars, or furnish any material, or perform any labor, except in the discharge of his official duties, for which said city official shall receive a sum in excess of ten dollars, unless such contract shall have been awarded upon bids therefor which shall have been duly advertised by publication in one issue of at least two newspapers printed in said city at least ten days previous to the opening of such bids.

SEC. 19. Section 119 of said act is hereby so amended as to read as follows :

The treasurer and all other city officials who disburse any of the funds of the city shall annually, before entering upon the duties of their office, give bonds to the city to the satisfaction of the board of aldermen for the faithful discharge of their respective duties.

SEC. 20. Section 133 of said act is hereby so amended as to read as follows :

The auditors shall annually audit the accounts of the city treasurer and of all other city officials who receive or disburse any of the funds of the city, and as much oftener as they shall see fit, or as the board of aldermen shall direct.

SEC. 21. Section 135 of said act is hereby so amended as to read as follows :

The Board of School Commissioners of said city shall be composed of five School Commissioners, one from each ward, who shall be elected as herein provided, and who shall receive such compensation as shall be provided by the City Council.

SEC. 22. Section 139 of said act is hereby so amended as to read as follows :

Said School Commissioners shall be sworn to the faithful performance of their duties, shall appoint one of their own members president, and shall also appoint a clerk who shall keep a record of all their proceedings in a book provided for that purpose. They shall by general regulations provide for the holding of regular meetings. The clerk shall call special meetings whenever a majority of the commissioners concur in requesting him so to do.

SEC. 23. Section 145 of said act is hereby so amended as to read as follows :

The City Treasurer shall keep a separate account of all moneys appropriated for the use of schools which money shall consist of the income accruing in every legal way for the use and maintenance of schools in said city, and of all money appropriated by the City Council for that purpose ; and the City Treasurer shall pay out of any moneys mentioned in this section all warrants drawn by the Board of School Commissioners for the use of schools.

SEC. 24. Section 204 of said act is hereby so amended as to read as follows :

Whenever a description of land or buildings is required for purposes of making assessments under the provisions of this charter, reference to the conveyance to the owner, giving the name of the person from whom acquired, and the volume and page of the land records in the city clerk's office in which the same is recorded, shall be sufficient.

SEC. 25. Section 215 of said act is hereby so amended as to read as follows :

The direction and control of the police force, except as herein otherwise provided, shall be vested in a police officer who shall be called the chief of police. The person now legally entitled to hold the office of chief of police shall continue to hold the office until the 25th day of April, 1901. Between the 10th and 25th days of April, 1901, and of every third year thereafter, the mayor shall appoint a chief of police who shall hold his office for the term of three years from the 25th day of April in the year in which such appointment is made. In case of a vacancy, the mayor shall appoint a chief of police for the unexpired portion of the term.

SEC. 26. Section 216 of said act is hereby so amended as to read as follows :

Between the 10th and 25th days of April, 1899, the mayor shall appoint from the applicants whose names have been certified to him, such number of police officers as he may think necessary for the welfare of the city, and shall make such appointments for such terms that, including those whose terms do not then expire, one-third of such officers shall hold their office for the term of three years, one-third for the term of two years, and one-third for the term of one year from the 25th day of April, 1899 ; and an-



nually thereafter between the 10th and 25th days of April from the applicants whose names have been certified to him, the mayor shall appoint for the term of three years a sufficient number of police officers to take the places of those whose terms are about to expire, and such additional number as the needs of the city may require; provided that he may re-appoint any member of the force whose term is about to expire without such officer becoming an applicant as herein provided; and provided that all such appointments shall be so made that not more than two-thirds of said officers shall at any time be from the same political party, if there are sufficient applicants from other political parties. If at any time there shall not be a sufficient number of applicants for the required number of appointments, the mayor may appoint any persons, subject to the foregoing provision relative to the division of the force between political parties.

SEC. 27. Section 217 of said act is hereby repealed.

SEC. 28. Section 218 of said act is hereby so amended as to read as follows:

The mayor shall fill all vacancies during the year by appointments for the unexpired portion of the terms in which the vacancies occur from the list of applicants last filed with him, as herein provided. If such list becomes exhausted, he may appoint any persons to fill such vacancies, subject to the foregoing provision relative to the division of the force between political parties.

SEC. 29. Section 219 of said act is hereby so amended as to read as follows:

The compensation of such police officers, including that of the chief of police, shall be fixed by the city council, and all fees accruing to them under the laws of the state or the provisions of this act shall belong to said city and shall be paid into the city treasury.

SEC. 30. Section 259 of said act is hereby amended by adding thereto at the end thereof the following:

*Said clerk of the city court shall, before entering upon the duties of his office, give a bond to the city with sufficient sureties in a sum to be fixed by the board of aldermen, for the faithful discharge of his official duties, and shall give to the state a like bond in a sum to be fixed by the assistant judges of the county court.*

SEC. 31. Section 275 of said act is hereby so amended as to read as follows:

All acts and part of acts heretofore enacted relating specifically to said city of Burlington and inconsistent herewith or the subject matter of which is herein treated of are hereby repealed; but such repeal shall not affect a suit or proceeding had or commenced in a civil or criminal cause before such repeal shall take effect but the proceedings therein shall when necessary conform to the provisions of this act.

SEC. 32. Section 118 is amended so as to read as follows:

Section 118. No city official shall be directly or indirectly interested in any contract with said city for an amount in excess of twenty-five dollars or furnish any material, or perform any labor for which said city official shall receive a sum in excess of twenty-five dollars, unless such contract shall have been awarded upon bids therefor, which shall have

been duly advertised by publication in one issue of at least two newspapers printed in said city, at least ten days previous to the opening of such bids.

SEC. 33. Section 201 is amended so as to read as follows :

Section 201. Such assessment shall be made upon notice by publication for three successive days in all of the daily newspapers published in said city the first of which publications shall not be more than ten days, nor the last publication less than two days, before the day fixed for making such assessments.

SEC. 34. Section 203 is amended so as to read as follows :

Section 203. Assessments for watering streets shall be due on the twentieth day of November in each year, and payable within fifteen days thereafter. The board of street commissioners shall make a statement of all such assessments, describing the lands or buildings assessed, and on or before the twentieth day of November in each year shall cause the same to be recorded in a book kept for that purpose in the city clerk's office : when so recorded such assessment shall be and remain a lien, in the nature of a tax upon the lands or buildings so assessed, until the same shall be paid.

SEC. 35. Section 204 is amended so as to read as follows :

Section 204. Whenever a description of lands or buildings is required for purposes of making assessments under the provisions of this charter, reference to the conveyance to the owner, giving the name of the person from whom acquired and the volumes and pages of the land records in the city clerk's office in which the same is recorded, shall be sufficient.

Approved November 29, 1898.





# INDEX.

	PAGE
Advisory Board.....	7
Report of .....	132-139
Aldermen, Board of.....	3- 4
Standing Committee of.....	5
Assessors, Board of.....	9
Auditors, Board of.....	7
Bonded Debt, Detailed Statement of.....	226-227
Building Inspectors. Board of.....	9
Cemetery Commissioners, Board of.....	10
Report of.....	204-208
Funds, Treasurer's Report of.....	209-212
Charitable Institutions. Report of Supt. of M. F. Hospital....	236-237
City Attorney. Report of.....	193-194
Charter, Amendments in 1898.....	245-251
Court, Officers of.....	10
Council, Members of.....	3- 4
Engineer, Report of.....	162-166
Government, Officers of.....	6- 11
Court, Report of.....	199-200
Liquor Agent, Report of.....	201-202
Statement of Purchases and Sales.....	203
Officers.....	6- 13
Treasurer, Report of.....	213-230
Balance Sheet, December 31, 1898.....	228-230
Trustee of U. S. Deposit Fund, Report of.....	241
Fire Department, Engineers of.....	8
Board of Fire Wardens.....	8
Report of Chief Engineer.....	167-174
Inventories of Property.....	175-183
Apparatus.....	167-168
Company Rosters.....	175, 178, 180, 182
Inventory of Electrical Department.....	178
Fires During Year.....	186-187
Company Statistics.....	175-183
List of Call Men.....	183-184
Applicants for position of Call Men.....	184-185
Fletcher Free Library, Officers of.....	12, 13, 83
Report of Trustees.....	84- 85
Report of Librarian.....	86- 90
Report of Treasurer.....	90
Library Expenses.....	91
Circulation of Books.....	91- 93
Donors of Books.....	93- 98

Health Department, Report of Health Officer.....	99-101
Vital Statistics.....	102-108
Meteorological Table, 1898.....	111
Analysis of Vital Statistics.....	108-110
Amended Ordinance of.....	243
Mary Fletcher Hospital, Summary of Medical and Surgical Report .....	236
Extent of Charity.....	236-237
Mayor.....	3
Message of.....	16- 25
Estimates for 1899.....	238-240
Meteorological Observations.....	111
Municipal Register.....	3- 14
Ordinance, Amendment of Health.....	243
Party Organizations, Committees of.....	15
Pauper Department, Report of Overseer.....	188-192
Inmates of Alms House.....	191
Police Department, Report of Chief.....	195-198
Table of Arrests.....	196
Board of Examiners.....	11, 197
Roster of Regular Officers.....	197-198
School Department, Board of Commissioners.....	11, 26
Standing Committees.....	27
Truant Officers.....	11, 27
Roll of Teachers.....	27- 30
Roll of Janitors.....	30
Location of Schools.....	31
Class Day Exercises and Officers.....	32
Graduating Exercises of High School.....	33- 34
High School Graduates.....	34- 35
Report of Superintendent.....	36- 75
Financial Statement of.....	36- 37
Estimates for 1899.....	38- 39
Statistics, 1898.....	41- 43
Comparison with 1897.....	44
Report of the City Clerk to State Super- intendent .....	45- 52
School Census, 1898.....	53- 56
School Savings.....	57- 58
Graduation of Teachers.....	58- 59
High School Scholarship Fund.....	40
Miss Ella K. Herrick's Report on Draw- ing .....	76- 80
Prof. J. H. Humphrey's Report on Music.....	76
Value of School Property .....	39
School Property.....	59- 70
New High School Location and Build- ing.....	66- 70
High School Principalship .....	70- 72
Kindergartens .....	73- 74
Death of Horatio Hickok, Commissioner.....	74- 75

Street Commissioners, Board of.....	7
Report of.....	140-143
Street and Sewer Departments.....	141-142
Electric Lights.....	142
Street Department, Report of Advisory Board.....	132-139
Report of Superintendent.....	144-161
Financial Statement.....	144-152
Sewers Constructed in 1898.....	157
Cost of New Sewers.....	157
Nature of Street Improvements.....	153-156
Crossings laid.....	156
Inventory of Tools and Stock.....	159-161
Curbing, Paving and Walks in 1898.....	158
Concrete laid in 1898.....	158-159
Length of sewers built in 1898.....	166
Total length of sewers.....	166
U. S. Deposit Fund, Report of Trustee.....	241
Vital Statistics.....	102-108
Ward Committees.....	15
Wardens, Board of Fire.....	8
Ward Officers.....	14
Warning for City Election on fourth page of cover.....	
Water Commissioners, Board of.....	9
Report of.....	113-114
Water Department, Extensions of System.....	121-123
Report of Superintendent.....	115-126
Financial Statement.....	115-118
Assessments and Current Expenditures.....	119
Gallons of Water Pumped in 1898.....	119-120
Services added 1898.....	120
New Hydrants, Mains and Gates.....	120-125
Meters.....	126
Report of Jo H. Linsley, M. D.....	126-128
Summary of Statistics.....	129-131



Withdawn 1942











UNIVERSITY OF ILLINOIS-URBANA



3 0112 108218261